

Global

Installation Fittings and K-Factors



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Added value

Installation Fittings for Signet Sensors

GF Piping Systems Global Installation Fittings and K-Factor brochure has been developed for our customers around the world. The brochure will guide you in selecting the correct fitting to use with GF Signet sensors.

The new K-Factor Calculation Tool (provided on the included CD) offers customers an extremely easy, fast and convenient way to calculate K-Factors for GF Signet sensor and fitting combinations.






















Along with ease of use, the new tool is capable of automatic database updating via the internet, ensuring that the user always has the most up-to-date information.




















The Global Installation Fittings and K-Factor brochure has been separated into regions for ease of accessibility in selecting the proper fittings available within your region.

Each region provides an overview table outlining the various GF fittings. Fittings are available in metric, JIS or ASTM, and vary by region.

Europe Fittings

Table of contents

Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
PVC-U		Solvent cementing	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	0 °C - +60 °C	8
		Hot gas back welding	no gasket	d75 - d630	Flow, pH	depends on quality of the welding	0 °C - +60 °C	8
		Solvent cementing	no gasket	d75 - d315	Flow	max. 10 bar	0 °C - +60 °C	9
		Saddle/ Solvent cementing	EPDM/FKM	d75 - d225	Flow, pH	max. 16 bar	0 °C - +60 °C	9
				Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.				
PVC-C		Solvent Cementing	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	0 °C - +80 °C	11
PP-H		Socket fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	-10 °C - +95 °C	12
		Butt fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	-10 °C - +95 °C	12
		Hot gas back welding	no gasket	d75 - d630	Flow, pH	depends on quality of the welding	-10 °C - +95 °C	13
		Screw-on saddle	EPDM	d75 - d315	Flow	5 - 8 bar	0 °C - +40 °C	14
		Flange adapters	EPDM/FKM	d75 - d315	Flow	max. 16 bar	-10 °C - +95 °C	14
		Screw-on saddle	NBR	d25 - d225	Other	10 - 16 bar	-10 °C - +45 °C	15
		Socket fusion	no gasket	d75 - d400	Other	max. 16 bar	-10 °C - +60 °C	16
PE		Butt fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 10 bar	0 °C - +60 °C	17
		Socket fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 10 bar	0 °C - +60 °C	17
		Hot gas back welding	no gasket	d75 - d630	Flow, pH	Depends on quality of the welding	-10 °C - +60 °C	17
		Electrofusion	no gasket	d75 - d400	Flow, (pH with modification)	max. 16 bar	0 °C - +60 °C	18
		Socket fusion	no gasket	d75 - d400	Other	max. 16 bar	-10 °C - +60 °C	18
		via ELGEF saddle	no gasket	d63 - d400	Other	max. 16 bar	-10 °C - +60 °C	18

Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
PE		via ELGEF saddle	no gasket	d63 - d400	Other	max. 16 bar	-10 °C - +60 °C	18
		-	-	-	-	-	-	19
				Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.				
PVDF		Socket fusion	FKM	d20 - d63	Flow, pH	max. 16 bar	-20 °C - +140 °C	20
		Butt fusion	FKM	d20 - d63	Flow, pH	max. 16 bar	-20 °C - +140 °C	20
		Hot gas back welding	no gasket	d75 - d630	Flow, pH	Depends on quality of the welding	-20 °C - +140 °C	21
		Flange adapters	FKM	d75 - d225	Flow	max. 16 bar	-20 °C - +140 °C	21
		Butt fusion	no gasket	d63 - d110	Other	max. 16 bar	-20 °C - +140 °C	22
		Socket fusion	no gasket	d63 - d110	Other	max. 16 bar	-20 °C - +140 °C	22
		Butt fusion	no gasket	d63 - d225	Other	max. 16 bar	-20 °C - +140 °C	23
ABS		Solvent cementing	no gasket	d25 - d63	Flow, pH	max. 10 bar	-40 °C - +60 °C	24
		Solvent cementing	no gasket	d75 - d225	Flow	max. 10 bar	-40 °C - +60 °C	24
COOL-FIT		Solvent cementing	no gasket	d25 - d225	Flow	max. 10 bar	-40 °C - +40 °C	25
		Solvent cementing	no gasket	d25 - d225	Pressure	max. 10 bar	-40 °C - +40 °C	25
		Electrofusion	no gasket	d32 - d140	Pressure, Temperature	max. 16 bar	0 °C - +60 °C	26
METALS		Welding	no gasket	d20 - d32	Flow	max. 16 bar	-	27
		Welding	NBR	d40 - d800	Flow	max. 16 bar	-	27
		Welding	no gasket	d63 - d630	Flow	max. 16 bar	-	27
		Clamping	NBR	d68 - d289	Other	max. 16 bar	-	28

PVC-U

Flow and pH



2551



2537



2536



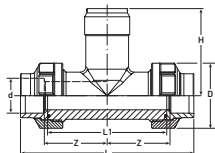
515



272X, 273X

Tee

Type 310, PVC-U for Socket Systems, Metric

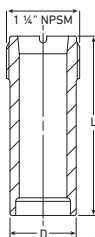


EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]	L1 [mm]	H [mm]	z [mm]
721 310 006	721 310 036	20	15	16	Flow -X0, pH -XX	43	128	90	76	48
721 310 007	721 310 037	25	20	16	Flow -X0, pH -XX	51	144	100	78	53
721 310 008	721 310 038	32	25	16	Flow -X0, pH -XX	58	160	110	85	58
721 310 009	721 310 039	40	32	16	Flow -X0, pH -XX	72	168	110	85	58
721 310 010	721 310 040	50	40	16	Flow -X0, pH -XX	83	188	120	89	63
721 310 011	721 310 041	63	50	16	Flow -X0, pH -XX	100	212	130	95	68

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends

Weldolet



Type 314, PVC-U, Weldolet, Metric

Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]
721 314 000	75 - 180	65 - 150	Flow -X0, pH - XX	38	68
721 314 001	200 - 355	200 - 350	Flow -X1	38	102
721 314 002	400 - 630	350 - 600	Flow -X2	38	178

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Please consult the instruction manual

- For conventional hot gas back welding according to DVS 2207 part 3
- Your maximum allowable pressure may be determined by the pressure rating of the pipe material, quality of weld and/or installed sensor
- pH sensors can also be used for dimensions above d180/DN150 and below d75/DN65 with 721 314 000 the length might have to be adjusted

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PVC-U

Flow and pH



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515



272X, 273X

Saddle

Type 312, PVC-U, Glue-on Saddle, Metric

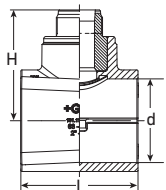


Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow	D [mm]	H [mm]
721 312 012	75	65	10	Flow -X1	38	89
721 312 013	90	80	10	Flow -X1	38	89
721 312 014	110	100	10	Flow -X1	38	89
721 312 015	125	100	10	Flow -X1	38	81
721 312 016	140	125	10	Flow -X1	38	79
721 312 017	160	150	10	Flow -X1	38	76
721 312 019	200	200	10	Flow -X1	38	69
721 312 020	225	200	10	Flow -X2	38	141
721 312 021	250	250	10	Flow -X2	38	137
721 312 023	315	300	10	Flow -X2	38	127

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX

- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Top saddle for solvent cement bonding

Type 312, PVC-U Clamp-on Saddle, Metric



Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	H [mm]	L [mm]
198 150 538	75	65	16	Flow -X0, pH-XX	99	105
198 150 539	90	80	16	Flow -X0, pH-XX	105	105
198 150 540	110	100	16	Flow -X0, pH-XX	114	105
198 150 543	160	150	16	Flow -X1	157	120
198 150 545	225	200	16	Flow -X1	184	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting

- Threaded outlet 1 1/4 inch NPSM
- Top saddle for solvent cement bonding
- Seal: Lip seal of EPDM
- pH sensors can only be used up to 4 in. or DN100 pipe

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PVC-U/BS Inch

Flow and pH



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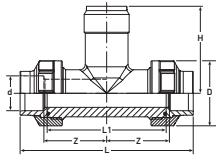


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272X, 273X

Tee



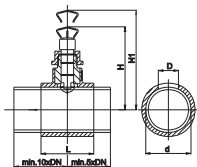
Type 310, BSP PVC-U for Socket Fusion, BS Inch

EPDM Code No.	FKM Code No.	d [in.]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
721 310 306	721 310 336	½	15	Flow -X0, pH -XX	43	48	131	90	76
721 310 307	721 310 337	¾	15	Flow -X0, pH -XX	51	53	147	100	78
721 310 308	721 310 338	1	15	Flow -X0, pH -XX	58	58	164	110	81
721 310 309	721 310 339	1¼	15	Flow -X0, pH -XX	72	58	171	110	85
721 310 310	721 310 340	1½	15	Flow -X0, pH -XX	83	63	188	120	89
721 310 311	721 310 341	2	15	Flow -X0, pH -XX	100	68	211	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Sensor length depends on installation fitting
- BSP - British Standard Pipe
- Threaded outlet 1¼ inch NPSM

Saddle



Type 312, BSP PVC-U, Clamp-on Saddle, BS inch

Code No.	d [mm]	d [in.]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	H [mm]	H1 [mm]	L [mm]
198 150 550	90	3	80	15	Flow -X0, pH -XX	39	105	225	105
198 150 551	110	4	100	15	Flow -X0, pH -XX	39	114	264	105
198 150 554	160	6	150	15	Flow -X1	39	156	339	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Sensor length depends on installation fitting
- BSP - British Standard Pipe
- Threaded outlet 1¼ inch NPSM
- Lip seal EPDM

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PVC-C

Flow and pH



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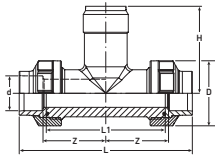


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272X, 273X

Tee



Type 310, PVC-C for Socket Systems, Metric

EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
723 310 006	723 310 036	20	15	16	Flow -X0, pH -XX	45	49	132	90	76
723 310 007	723 310 037	25	20	16	Flow -X0, pH -XX	55	53	148	100	78
723 310 008	723 310 038	32	25	16	Flow -X0, pH -XX	62	58	164	110	81
723 310 009	723 310 039	40	32	16	Flow -X0, pH -XX	75	58	172	110	85
723 310 010	723 310 040	50	40	16	Flow -X0, pH -XX	84	63	188	120	89
723 310 011	723 310 041	63	50	16	Flow -X0, pH -XX	101	68	212	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Sensor length depends on installation fitting
- Threaded outlet 1 ¼ inch NPSM
- Body and union nut PVDF
- Union end with solvent cement socket PVC-C

PP

Flow and pH



2551



2537



2536



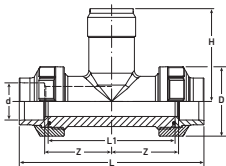
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272X, 273X

Tee

Type 310, PROGEF Standard, PP-H for Socket Fusion, Metric

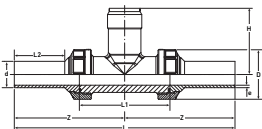


EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	Z [mm]	L [mm]	L1 [mm]	H [mm]
727 310 006	727 310 036	20	15	10	Flow -X0, pH -XX	48	50	128	90	76
727 310 007	727 310 037	25	20	10	Flow -X0, pH -XX	58	55	142	100	78
727 310 008	727 310 038	32	25	10	Flow -X0, pH -XX	65	60	156	110	81
727 310 009	727 310 039	40	32	10	Flow -X0, pH -XX	79	60	160	110	85
727 310 010	727 310 040	50	40	10	Flow -X0, pH -XX	91	65	176	120	89
727 310 011	727 310 041	63	50	10	Flow -X0, pH -XX	105	70	194	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends.
- Threaded outlet 1 1/4 inch NPSM
- Union end with socket fusion PP-H

Type 318, PROGEF Standard, PP-H for Butt Fusion, Metric



EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	Z [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	e
727 318 006	727 318 036	20	15	10	Flow -X0, pH -XX	48	112	224	90	52	76	1.9
727 318 007	727 318 037	25	20	10	Flow -X0, pH -XX	58	121	242	100	53	78	2.3
727 318 008	727 318 038	32	25	10	Flow -X0, pH -XX	65	128	256	110	55	81	2.9
727 318 009	727 318 039	40	32	10	Flow -X0, pH -XX	79	136	272	110	60	85	3.7
727 318 010	727 318 040	50	40	10	Flow -X0, pH -XX	91	147	294	120	66	89	4.6
727 318 011	727 318 041	63	50	10	Flow -X0, pH -XX	105	158	316	130	70	95	5.8

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-X0, 3-2551-X0
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Also available for PROGEF Natural Systems with union ends in PP-R and body in PP-H (Code No.: 728318106...) or with body in PVDF (Code No.: 728318006...)

- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends.
- Threaded outlet 1 1/4 inch NPSM
- Union end with butt fusion spigot PP-H

PP

Flow and pH



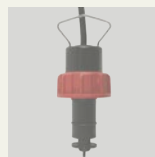
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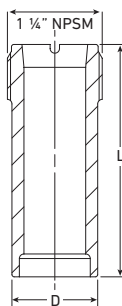


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272X, 273X

Weldolet



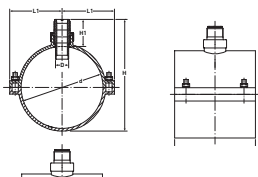
Type 314, PROGEF Standard, PP-H, Metric

Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]
727 314 000	75 - 180	65 - 150	Flow -X0, pH -XX	37.5	68
727 314 001	200 - 355	200 - 350	Flow -X1	37.5	102
727 314 002	400 - 630	350 - 600	Flow -X2	37.5	178

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 272X-XX, 3-273X-XX
- Threaded outlet 1 1/4 inch NPSM
- For conventional hot gas back welding according to DVS 2207 part 3

- Please consult the instruction manual
- Sensor length depends on installation fitting
- Your maximum allowable pressure may be determined by the pressure rating of the pipe material, quality of weld and/or installed sensor
- pH sensors can also be used for dimensions above d180/DN150 and below d75/DN65 with 727 314 000; the length might have to be adjusted

Saddle



Type 312, PP-H, Screw-on, Metric

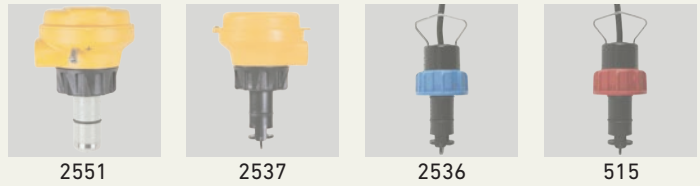
Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]
727 312 072	75	65	8	Flow -X1	34	78	62	172	88
727 312 073	90	80	8	Flow -X1	34	86	69	186	87
727 312 074	110	100	8	Flow -X1	34	98	79	206	86
727 312 075	125	100	8	Flow -X1	34	101	85	212	78
727 312 076	140	125	6	Flow -X1	34	114	104	227	75
727 312 077	160	150	6	Flow -X1	34	114	114	243	72
727 312 078	180	150	6	Flow -X2	34	168	134	348	144
727 312 079	200	200	6	Flow -X2	34	168	132	357	142
727 312 080	225	200	5	Flow -X2	34	174	146	375	136
727 312 081	250	250	5	Flow -X2	34	179	159	397	131
727 312 082	280	250	5	Flow -X2	34	179	167	426	127
727 312 083	315	300	5	Flow -X2	34	248	202	450	120

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX
- Threaded outlet 1 1/4 inch NPSM

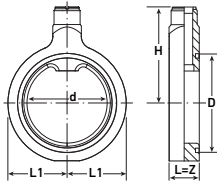
- Sensor length depends on installation fitting
- Top saddle with EPDM gasket
- Stainless steel bolts and nuts
- Saddle can be used with other pipe materials

PP

Flow



Wafer



Type 311, PROGEF Standard, PP-H, Wafer Fitting, Metric and Inch

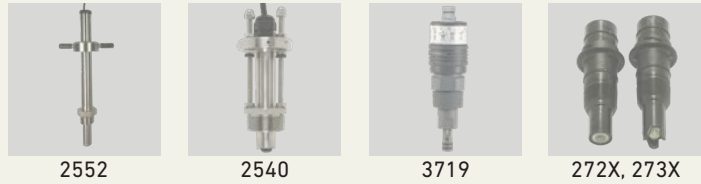
EPDM Code No.	FKM Code No.	d [mm]	d [in.]	DN [mm]	PN [bar]	Sensor Type-Flow	D [mm]	H [mm]	L [mm]	L1 [mm]
727 311 012	727 311 042	75	2½	65	10	Flow -X1	88	133	48	61
727 311 013	727 311 043	90	3	80	10	Flow -X1	102	140	48	69
727 311 014	727 311 044	110	4	100	10	Flow -X1	132	145	48	79
727 311 015	727 311 045	125		100	10	Flow -X1	132	144	48	79
727 311 016	727 311 046	140	5	125	10	Flow -X1	157	149	48	94
727 311 017	727 311 047	160	6	150	10	Flow -X1	182	156	48	106
727 311 018	727 311 048	180		150	10	Flow -X1	182	163	48	106
727 311 019	727 311 049	200	8	200	10	Flow -X1	236	170	48	134
727 311 020	727 311 050	225	8	200	10	Flow -X1	236	178	48	134
727 311 021	727 311 051	250	10	250	10	Flow -X2	289	263	48	160
727 311 022	727 311 052	280	10	250	10	Flow -X2	289	273	48	160
727 311 023	727 311 053	315	12	300	10	Flow -X2	329	285	48	185

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX
- Threaded outlet 1¼ inch NPSM
- Suitable for backing flanges metric and inch

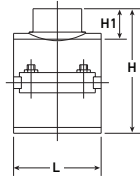
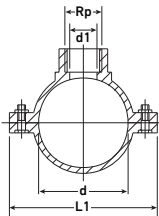
- Suitable for SDR 11 - SDR 17.6
- Delivered with profile O-ring
- Wafer can be used with other pipe materials
- Sensor length depends on installation fitting

PP

Other sensors



Saddle



Poly16 Plus Clamp Saddles

Code No.	d [mm]	Rp [in.]	PN [bar]	Sensor Type- Flow, pH/ORP, Conductivity	d1	H	H1	L	L1
727 627 012	25	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	13	58	15	49	79
727 627 022	32	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	14	62	20	49	79
727 627 032	40	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	21	71	20	62	86
727 627 042	50	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	21	82	20	62	86
727 627 044	50	1¼	16	Flow 2552-22-X-XX	21	82	20	62	86
727 627 052	63	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	24	96	21	62	101
727 627 054	63	1¼	16	Flow 2552-22-X-XX	31	96	21	62	101
727 627 055	63	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	31	96	21	62	101
727 627 062	75	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	21	104	16	79	123
727 627 064	75	1¼	16	Flow 2552-22-X-XX	35	109	21	79	123
727 627 065	75	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	42	109	21	79	123
727 627 072	90	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	21	118	16	87	138
727 627 074	90	1¼	16	Flow 2552-22-X-XX	35	123	21	87	138
727 627 075	90	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	42	123	21	87	138
727 627 082	110	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	20	150	23	99	152
727 627 084	110	1¼	16	Flow 2552-22-X-XX	35	150	23	99	152
727 627 085	110	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	41	150	23	99	152
727 627 092	125	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	20	169	24	101	166
727 627 094	125	1¼	16	Flow 2552-22-X-XX	35	168	23	101	166
727 627 095	125	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	41	168	23	101	166
727 627 102	140	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	24	191	24	114	207
727 627 104	140	1¼	16	Flow 2552-22-X-XX	38	191	25	114	207
727 627 105	140	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	45	191	24	114	207
727 627 112	160	¾	16	pH/ORP 2724-X-1, 2726-X-1, 2774-ISO, 2777-ISO, Conductivity 2839-1D, 2842-1D	24	215	24	114	226
727 627 114	160	1¼	16	Flow 2552-22-X-XX	37	215	24	114	226
727 627 115	160	1½	16	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	45	215	24	114	226
727 627 124	180	1¼	10	Flow 2552-22-X-XX	36	265	38	169	262
727 627 125	180	1½	10	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	42	265	38	169	262
727 627 145	225	1½	10	pH/ORP 3719-2, Flow 2540-21-4, 2552-34-X-XX	45	287	38	174	287

- Stainless steel bolts
- Saddle can be used with other pipe materials

- Check H1 value vs. sensor length regarding minimum insertion depth.

PP

Flow and other sensors



2552



2540



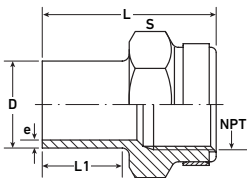
3719



272X, 273X

Sockets

Adapter Socket, PP-H, ANSI - NPT

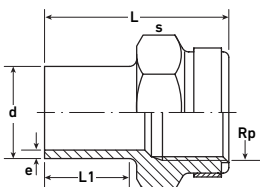


Code No.	d [mm]	NPT [in.]	PN [bar]	Sensor Type- Flow, pH/ORP, Conductivity, Temperature, Pressure	D [mm]	L [mm]	L1 [mm]	s [mm]	e [mm]
727 914 357	25	3/4	10	2724-2726, 2774-2777, 2819-2842, 2350, 2450	25	51	23	36	2.3
727 914 358	32	1	10	2764-2767	32	54	23	46	2.9
727 914 359	40	1 1/4	10	2552-X1	40	56	23	55	3.7
727 914 360	50	1 1/2	10	3719-11, 2540-1/-3, 2552-X3	50	60	23	65	4.6
727 914 361	63	2	10	3719-21	63	62	23	80	5.8

- "d" is for pipe dimension
- Connection via Butt or IR fusion

- Check L1 value vs. sensor length regarding minimum insertion depth

Adapter Socket, PP-H, Metric - Rp



Code No.	d [mm]	Rp [in.]	PN [bar]	Sensor Type- Flow, pH/ORP, Conductivity	L [mm]	L1 [mm]	s [mm]	e [mm]
727 910 267	25	3/4	10	2724-X1- 2726-X1, 2774-ISO, 2777-ISO, 2839-1D-2842-1D	50	23	36	2.3
727 910 269	40	1 1/4	10	2552-X2	56	23	55	3.7
727 910 270	50	1 1/2	10	3719-12, 2540-2/-4, 2552-X4	60	23	65	4.6
727 910 271	63	2	10	3719-22	62	23	80	5.8

- "d" is for pipe dimension
- Connection via Butt or IR fusion

- Check L1 value vs. sensor length regarding minimum insertion depth

PE

Flow and pH



2551



2537



2536

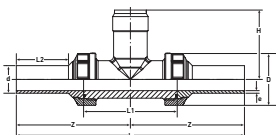


515



272X, 273X

Tee



Type 318, ecoFIT PE100 SDR 11 for Butt Fusion System, Metric

EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	z
753 318 006	753 318 036	20	15	10	Flow -X0, pH -XX	48	224	90	52	76	112
753 318 007	753 318 037	25	20	10	Flow -X0, pH -XX	58	242	100	53	78	121
753 318 008	753 318 038	32	25	10	Flow -X0, pH -XX	65	256	110	55	81	128
753 318 009	753 318 039	40	32	10	Flow -X0, pH -XX	79	272	110	60	85	136
753 318 010	753 318 040	50	40	10	Flow -X0, pH -XX	91	294	120	66	89	147
753 318 011	753 318 041	63	50	10	Flow -X0, pH -XX	105	316	130	70	95	158

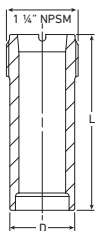
- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0s, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Union end with butt fusion spigot PE100
- Body and union nut PP-H

Type 310, ecoFIT PP-H/PE80 for Socket Systems, Metric

EPDM Code No.	FKM Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]	L1 [mm]	H [mm]	z [mm]
733 310 006	733 310 036	20	15	Flow -X0, pH -XX	48	128	90	76	50
733 310 007	733 310 037	25	20	Flow -X0, pH -XX	58	141	100	78	55
733 310 008	733 310 038	32	25	Flow -X0, pH -XX	65	156	110	81	60
733 310 009	733 310 039	40	32	Flow -X0, pH -XX	79	160	110	85	60
733 310 010	733 310 040	50	40	Flow -X0, pH -XX	91	176	120	89	65
733 310 011	733 310 041	63	50	Flow -X0, pH -XX	105	194	130	95	70

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Union end with fusion socket PE80
- Body and union nut PP-H

Weldolet



Type 314, ecoFIT PE Weldolet, Metric and Inch

Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]
753 314 000	75 - 180	65 - 150	Flow -X0, pH -XX	38	68
753 314 001	200 - 355	200 - 350	Flow -X1	38	102
753 314 002	400 - 630	350 - 600	Flow -X2	38	178

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting
- For conventional hot gas back welding according to DVS 2207 part 3
- Your maximum allowable pressure may be determined by the pressure rating of the pipe material, quality of weld and/or installed sensor
- pH sensors can also be used for dimensions above d180/DN150 and below d75/DN65 with 753 314 000; the length might have to be adjusted

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PE

Flow and other sensors



2551



2537



2552



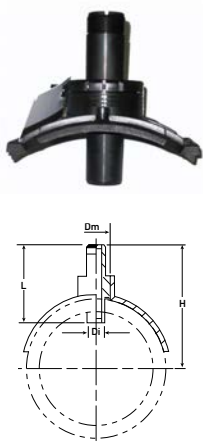
3719



272X, 273X

Saddle

Type 312 PE Electrofusion System

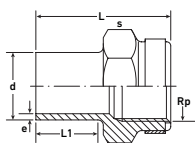


Code No.	d [mm]	PN [bar]	Sensor Type-Flow	Di [mm]	H [mm]	L [mm]	Dm [mm]
753 312 012	75	16	Flow -X1	38	123	102	63
753 312 013	90	16	Flow -X1	38	130	102	63
753 312 014	110	16	Flow -X1	38	142	102	63
753 312 015	125	16	Flow -X1	38	141	102	63
753 312 016	140	16	Flow -X1	38	146	102	63
753 312 017	160	16	Flow -X1	38	153	102	63
753 312 018	180	16	Flow -X2	38	235	178	63
753 312 019	200	16	Flow -X2	38	244	178	63
753 312 020	225	16	Flow -X2	38	250	178	63
753 312 021	250	16	Flow -X2	38	258	178	63
753 312 022	280	16	Flow -X2	38	268	178	63
753 312 023	315	16	Flow -X2	38	279	178	63
753 312 024	355	16	Flow -X2	38	293	178	63
753 312 025	400	16	Flow -X2	38	307	178	63

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX

- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Material: Polyethylene

Socket



Adapter Socket, ecoFIT PE100, SDR11 Metric - Rp

Code No.	d [mm]	Rp [in.]	PN [bar]	Sensor Type-Flow, pH/ORP, Conductivity	D [mm]	L [mm]	L1 [mm]	s [mm]	e [mm]
753 910 267	25	3/4	10	272X, 277X-ISO, 2839-1D - 2842-1D	25	51	23	36	2.3
753 910 269	40	1 1/4	10	2552-X2	40	57	23	55	3.7
753 910 270	50	1 1/2	10	3719-12, 2540-2/-4, 2552-X4	50	60	23	64	4.6

- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

- Connection via socket fusion
- Small "d" is for pipe diameter

Transition Adapter PE/brass (CW617N) ISO female thread, Metric



Code No.	d [mm]	PN [bar]	Rp [in.]	Sensor Type-Flow, pH/ORP	L [mm]	z
720 920 231	63	16	1 1/4	2552-X2	89	47
720 920 241	63	16	1 1/2	3719, 2540, 2552-X4	89	47

- 16 bar water

- For electrofusion saddle (193 131 XXX and 193 135 159)

PE Adapter ISO female thread, Metric



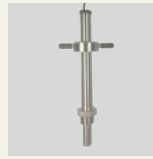
Code No.	d [mm]	PN [bar]	Rp [in.]	Sensor Type-Flow, pH/ORP	L [mm]
173 281 925	63	12.5	1 1/2	3719, 2540, 2552-X4	54

- Reinforcing ring stainless (A2)

- For electrofusion saddle (193 131 XXX and 193 135 159)

PE

Other sensors



2552



2540



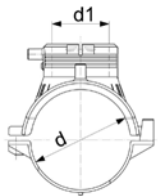
3719



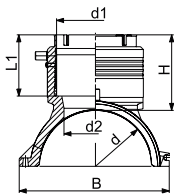
272X, 273X

Saddle

ELGEF Plus, Electrofusion Saddle, PE100, SDR 11



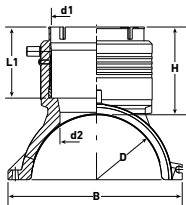
L = length / Länge



Code No.	d [mm]	d1	L [mm]
193 131 037	63	63	165
193 131 047	75	63	165
193 131 057	90	63	165
193 131 067	110	63	165
193 131 077	125	63	165
193 131 087	140	63	165
193 131 097	160	63	165
193 131 107	180	63	165
193 131 117	200	63	165
193 131 127	225	63	165
193 131 147	280	63	165
193 131 157	315-355	63	165

- Connection with transition adapter PE/Brass or PE adapter

ELGEF Plus Branch Fitting



Code No.	d [mm]	d1 [mm]	H [mm]	L [mm]	L1 [mm]	B [mm]	d2 [mm]
193 135 159	500 - 630	90	102	260	82	263	65

- Can be used with reduction d90 - d63 (753 908 906)

- Connection via socket fusion with transition adapter PE/brass or PE adapter

PVDF

Flow and pH



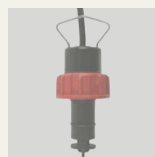
2551



2537



2536



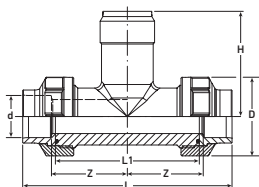
515



272X, 273X

Tee

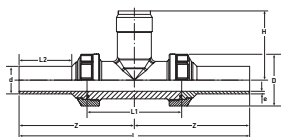
Type 310, SYGEF Standard, PVDF, Socket Fusion, Metric



Code No.	d [mm]	Sensor Type-Flow, pH/ORP	PN [Bar]	D [mm]	H [mm]	L [mm]	L1 [mm]	z [mm]
735 310 036	20	Flow -X0, pH -XX	16	45	76	128	90	50
735 310 037	25	Flow -X0, pH -XX	16	55	78	142	100	55
735 310 038	32	Flow -X0, pH -XX	16	62	81	156	110	60
735 310 039	40	Flow -X0, pH -XX	16	75	85	160	110	60
735 310 040	50	Flow -X0, pH -XX	16	84	89	176	120	65
735 310 041	63	Flow -X0, pH -XX	16	101	95	194	130	70

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Union end with socket fusion part (PVDF)
- FKM O-rings
- Sensor length depends on installation fitting
- Threaded outlet 1 ¼ inch NPSM

Type 318, SYGEF Standard, PVDF for Butt Fusion, Metric



Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	e [mm]
735 318 036	20	15	16	Flow -X0, pH -XX	45	196	90	37	76	1.9
735 318 037	25	20	16	Flow -X0, pH -XX	55	212	100	37	78	1.9
735 318 038	32	25	16	Flow -X0, pH -XX	62	228	110	40	81	2.4
735 318 039	40	32	16	Flow -X0, pH -XX	75	234	110	40	85	2.4
735 318 040	50	40	16	Flow -X0, pH -XX	84	250	120	43	89	3.0
735 318 041	63	50	16	Flow -X0, pH -XX	101	266	130	43	95	3.0

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Threaded outlet 1 ¼ inch NPSM
- Sensor length depends on installation fitting
- Union end with butt fusion spigot PVDF
- To install this installation fitting in PVC-C, PP-R and PE pipes.; replace the original union ends with PVC-C, PP-R and PE union ends.

PVDF

Flow and pH



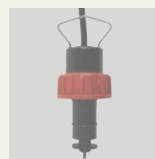
2551



2537



2536

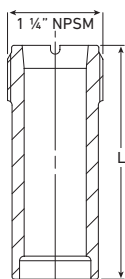


515



272X, 273X

Weldolet

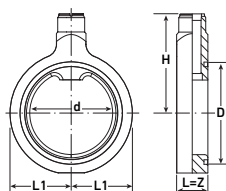


Type 314, SYGEF Standard, PVDF, Metric and Inch

Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]
735 314 000	75 - 180	65 - 150	Flow -X0, pH -XX	37.5	68
735 314 001	200 - 355	200 - 350	Flow -X1	37.5	102
735 314 002	400 - 630	350 - 600	Flow -X2	37.5	178

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting
- Please consult the instruction manual
- Installation only by trained and certified welder
- For conventional hot gas back welding according to DVS 2207 part 3
- Your maximum allowable pressure may be determined by the pressure rating of the pipe material, quality of weld and/or installed sensor
- pH sensors can also be used for dimensions above d180/DN150 and below d75/DN65 with 735 314 000; the length might have to be adjusted

Wafer



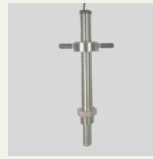
Type 311, SYGEF Standard, PVDF, Metric and Inch

FKM Code No.	d [mm]	d [in.]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	H [mm]	D [mm]	L [mm]	L1 [mm]
735 311 042	75	2 1/2	65	16	Flow -X1	129	88	48	61
735 311 043	90	3	80	16	Flow -X1	141	102	48	69
735 311 044	110	4	100	16	Flow -X1	149	132	48	79
735 311 045	125		100	16	Flow -X1	147	132	48	79
735 311 046	140	5	125	16	Flow -X1	153	157	48	94
735 311 047	160	6	150	16	Flow -X1	161	182	48	106
735 311 049	200	8	200	16	Flow -X1	175	236	48	134
735 311 050	225	8	200	16	Flow -X1	185	236	48	134

- For use with Flow: P51530-X1, 3-2536-X1, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Suitable for backing flanges metric and inch
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

PVDF

Other sensors



2552



2540

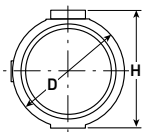
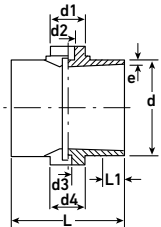


3719



272X, 273X

Sockets



SYGEF Plus, PVDF HP Installation Fitting, PN 16

Code No.	d [mm]	Rp/NPT [in]	PN [bar]	FM	D [mm]	e [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	H [mm]	L [mm]	L1 [mm]
735 918 811	63	1/4-3/4	16	BCF, IR	85	3.0	40	17	10	32	89	120	25
735 918 812	75	1/4-3/4	16	BCF, IR	96	3.6	40	17	10	40	101	130	25
735 918 813	90	1/4-3/4	16	BCF, IR	110	4.3	40	17	10	40	116	130	25
735 918 814	110	1/4-3/4	16	BCF, IR	127	5.3	40	17	10	40	136	130	25
735 918 816	140	1/4-1	16	IR	171	6.7	63	17	10	50	171	155	40
735 918 817	160	1/4-1	16	IR	189	7.7	63	17	10	50	191	155	40
735 918 820	225	1/4-1	16	IR	248	10.8	63	17	10	50	256	155	40

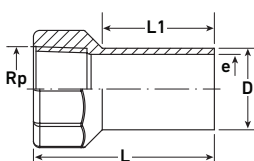
SYGEF Plus, PVDF Installation Fitting, PN 10

Code No.	d [mm]	Rp/NPT [in]	PN [bar]	FM	D [mm]	e [mm]	d1 [mm]	d2 [mm]	d3 [mm]	d4 [mm]	H [mm]	L [mm]	L1 [mm]
735 918 716	140	1/4-1	10	IR	171	4.3	63	17	10	50	171	155	40
735 918 717	160	1/4-1	10	IR	189	4.9	63	17	10	50	191	155	40
735 918 720	225	1/4-1	10	IR	248	6.9	63	17	10	50	256	155	40

- For all 1/4 to 1 inch threaded sensors
- Compatible with all Signet sensors (except flow sensors)

- Thread needs to be milled, handheld drilling must not be done

SYGEF Standard, PVDF, ANSI - NPT Female Thread, PN 16



Code No.	d [mm]	NPT [in.]	PN [bar]	FM	Sensor Type- Flow, pH/ORP, Conductivity, Temperature, Pressure	L [mm]	D [mm]	sw [mm]	L1 [mm]	e [mm]
735 914 587	25	3/4	16	BCF, IR	272X, 277X, 2819-2842, 2350, 2450	58	25	38	30	1.9
735 914 588	32	1	16	BCF, IR	276X	63	32	48	30	2.4
735 914 589	40	1 1/4	16	BCF, IR	2552-X1	67	40	58	30	2.4
735 915 290	50	1 1/2	16	BCF, IR	3719-11, 2540-1/-3, 2552-X3	67	50	65	30	3.0
735 915 591	63	2	16	BCF, IR	3719-21	73	63	80	30	3.0

- Check L1 value vs. sensor length regarding minimum insertion depth
- Also available in SYGEF Plus (PVDF-HP) in all dimensions: Code No. 735 914 787 etc.)

- Connection via BCF or IR fusion
- Small "d" is for pipe dimension

PVDF

Other sensors



2552



2540

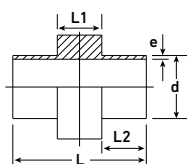


3719



272X, 273X

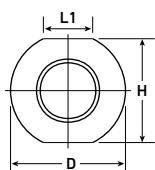
Sockets



SYGEF Plus, PVDF Installation Fitting, PN 16

Code No.	d [mm]	DN [mm]	Rp/NPT [in.]	PN [bar]	FM	D [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
735 918 615	125	100	1/8 - 3/4	16	IR	162	157	100	40	27	6.0
735 918 616	140	125	1/8 - 3/4	16	IR	176	171	110	40	32	6.7
735 918 617	160	150	1/8 - 3/4	16	IR	194	190	110	40	32	7.7
735 918 619	200	150	1/8 - 3/4	16	IR	231	228	110	40	32	9.6
735 918 620	225	200	1/8 - 3/4	16	IR	254	251	110	40	32	10.8
735 918 621	250	250	1/8 - 3/4	16	IR	277	274	160	40	60	11.9
735 918 622	280	250	1/8 - 3/4	16	IR	304	307	160	40	60	13.4
735 918 623	315	300	1/8 - 3/4	16	IR	336	334	160	40	60	15.0

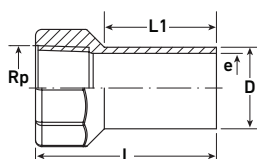
SYGEF Plus, PVDF Installation Fitting, PN 10



Code No.	d [mm]	DN [mm]	Rp/NPT [in.]	PN [bar]	FM	D [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	e [mm]
735 918 565	125	100	1/8 - 3/4	10	IR	162	157	100	40	27	3.9
735 918 566	140	125	1/8 - 3/4	10	IR	176	171	110	40	32	4.4
735 918 567	160	150	1/8 - 3/4	10	IR	194	190	110	40	32	4.9
735 918 569	200	200	1/8 - 3/4	10	IR	231	228	110	40	32	6.2
735 918 570	225	200	1/8 - 3/4	10	IR	254	251	110	40	32	7.0

- For all 1/8 to 3/4 inch threaded sensors
- Compatible with all Signet sensors (except flow sensors)
- Thread needs to be milled, handheld drilling must not be done

SYGEF Standard, PVDF for ISO Female Thread, PN16



Code No.	d [mm]	Rp [in.]	PN	FM	Sensor Type- Flow, pH/ORP, Conductivity	D [mm]	L [mm]	sw [mm]	L1 [mm]	e [mm]
735 910 587	25	3/4	16	BCF, IR	272X, 277X-ISO, 2839-1D-2842-1D	25	57	38	30	1.9
735 910 289	40	1 1/4	16	BCF, IR	2552-X2	40	66	58	30	2.4
735 910 290	50	1 1/2	16	BCF, IR	3719-12, 2540-2/-4, 2552-X4	50	66	65	30	3.0
735 910 591	63	2	16	BCF, IR	3719-22	63	73	80	30	3.0

- Check L1 value vs. sensor length regarding minimum insertion depth
- Also available in SYGEF Plus (PVDF-HP) in all dimensions: Code No. 735 914 787 etc.)
- Connection via BCF or IR fusion
- Small "d" is for pipe dimension

ABS

Flow and pH



2551



2537



2536

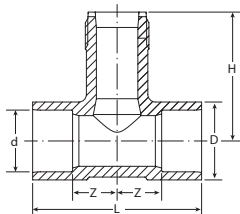


515



272X, 273X

Tee



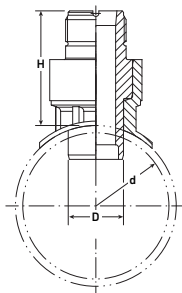
Type 310, ABS, Metric

Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]	H [mm]	z [mm]	closest [inch]
729 310 007	25	20	10	Flow -X0, pH -XX	35	100	78	32	¾
729 310 008	32	25	10	Flow -X0, pH -XX	44	110	81	33	1
729 310 009	40	32	10	Flow -X0, pH -XX	51	110	84	29	1¼
729 310 010	50	40	10	Flow -X0, pH -XX	63	120	88	29	1½
729 310 011	63	50	10	Flow -X0, pH -XX	78	130	94	28	2

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Threaded outlet 1¼ inch NPSM
- Sensor length depends on installation fitting
- With solvent cement socket metric

Saddle



Type 312, ABS Glue-on Saddle, Metric

Code No.	d [mm]	DN [mm]	PN [bar]	Sensor Type-Flow	D [mm]	H [mm]	closest [inch]
729 312 012	75	65	10	Flow -X1	38	91	2½
729 312 013	90	80	10	Flow -X1	38	91	3
729 312 014	110	100	10	Flow -X1	38	91	4
729 312 016	140	125	10	Flow -X1	38	81	5
729 312 017	160	150	10	Flow -X1	38	77	6
729 312 019	200	200	10	Flow -X1	38	71	8
729 312 020	225	200	10	Flow -X1	38	67	8

- For use with Flow: P51530-X1, 3-2536-X1, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX

- Threaded outlet 1¼ inch NPSM
- Sensor length depends on installation fitting
- Top saddle for solvent cement bonding

COOL-FIT

Flow, pH and other sensors



2551



2537



2536



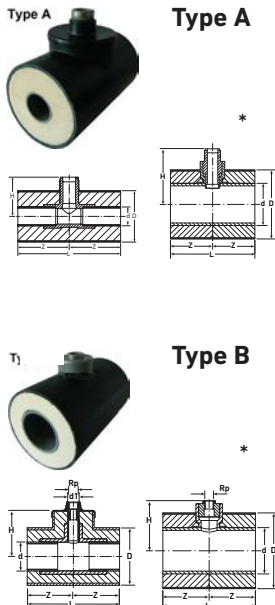
515



272X, 273X

Tee

Type 313, CoolFit, pre-insulated, Metric



Type	Code No.	d [mm]	Rp [in.]	DN [mm]	PN [bar]	Required nipple	D [mm]	L [mm]	H [mm]	z [mm]	closest [in.]
A	738 313 007	25	½	20	10	738 901 107	90	160	102	80	¾
A	738 313 008	32	½	25	10	738 901 108	90	160	102	80	1
A	738 313 009	40	½	32	10	738 901 109	110	180	112	90	1
A	738 313 010	50	½	40	10	738 901 110	110	180	112	90	1½
A	738 313 011	63	½	50	10	738 901 111	125	200	122	100	2
A	738 313 012	* 75	½	65	10	738 901 112	140	250	153	125	2½
A	738 313 013	* 90	½	80	10	738 901 113	160	280	168	140	3
B	738 313 014	* 110	½	100	10	738 901 114	180	220	119	110	4
B	738 313 016	* 140	½	125	10	738 901 116	225	220	134	110	5
B	738 313 017	* 160	½	150	10	738 901 117	250	220	145	110	6
B	738 313 019	* 200	½	200	10	738 901 119	280	250	165	125	8
B	738 313 020	* 225	½	200	10	738 901 120	315	280	178	140	8

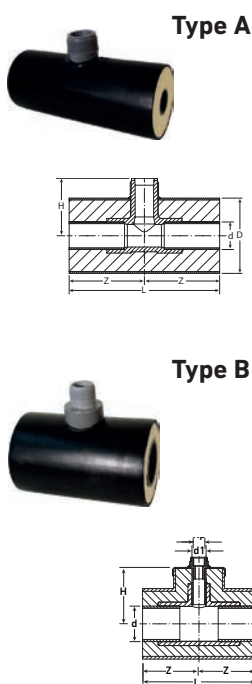
Type A

- Threaded outlet ½ Rp
- Insulation made from PUR
- Outer jacket impact resistant. Color: black

Type B

- With ½ inch Rp threaded branch for sensors (i.e. pressure)
- Insulation made from PUR
- Outer jacket impact resistant. Color: black

Type 310, CoolFit, pre-insulated, Metric



Type	Code No.	d [mm]	DN [mm]	PN [bar]	Required nipple	Sensor Type-Flow, pH/ORP	H [mm]	L [mm]	z [mm]	closest [in.]
A	738 310 107	25	90	10	738 901 107	Flow -X0, pH -XX	78	220	110	¾
A	738 310 108	32	90	10	738 901 108	Flow -X0, pH -XX	81	220	110	1
A	738 310 109	40	110	10	738 901 109	Flow -X0, pH -XX	84	220	110	1
A	738 310 110	50	110	10	738 901 110	Flow -X0, pH -XX	88	220	110	1½
A	738 310 111	63	125	10	738 901 111	Flow -X0, pH -XX	94	220	110	2
B	738 310 112	75	140	10	738 901 112	Flow -X1	161	220	110	2½
B	738 310 113	90	160	10	738 901 113	Flow -X1	171	220	110	3
B	738 310 114	110	180	10	738 901 114	Flow -X1	181	220	110	4
B	738 310 116	140	225	10	738 901 116	Flow -X1	193	220	110	5
B	738 310 117	160	250	10	738 901 117	Flow -X1	202	220	110	6
B	738 310 119	200	280	10	738 901 119	Flow -X1	211	250	125	8
B	738 310 120	225	315	10	738 901 120	Flow -X1	225	280	140	8

Type A and B

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Threaded outlet 1¼ NPSM
- Insulation made from PUR
- Outer jacket impact resistant. Color: black

Type B

- With ½ inch Rp threaded branch for sensors (i.e. pressure)
- Insulation made from PUR
- Outer jacket impact resistant. Color: black

COOL-FIT

Flow, pH and other sensors



2551



2537



2536



515



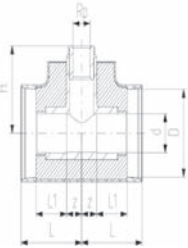
272X, 273X

Tee

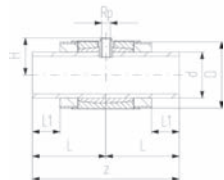
Type 313, COOL-FIT 2.0, Pre-insulated, Metric



Type A



Type B



Type	Code No.	d / D [mm]	PN [bar]	Rp [in.]	L [mm]	L1 [mm]	H [mm]	z [mm]	closest [in.]
A	738 313 408	32/75	16	½	73	36	75	16	1
A	738 313 409	40/90	16	½	81	40	85	21	1¼
A	738 313 459	40/90	16	¾	81	40	88	21	1¼
A	738 313 410	50/90	16	½	88	44	94	24	1½
A	738 313 460	50/90	16	¾	88	44	97	24	1½
A	738 313 411	63/110	16	½	97	48	113	29	2
A	738 313 461	63/110	16	¾	97	48	116	29	2
A	738 313 412	75/125	16	½	110	55	99	35	2½
A	738 313 462	75/125	16	¾	110	55	102	35	2½
A	738 313 413	90/140	16	½	123	62	113	42	3
A	738 313 463	90/140	16	¾	123	62	116	42	3
A	738 313 414	110/160	16	½	148	72	128	56	4
A	738 313 464	110/160	16	¾	148	72	131	56	4
B	738 313 416	140/200	16	½	224	84	110	447	5
B	738 313 466	140/200	16	¾	224	84	113	447	5

Type A

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- With threaded branch for sensors (i.e temperature, pressure)
- Electrofusion Fitting with integrated sealing lip, for a moisture-proof and vapor tight sealing

Type B

- Pre-insulated PE100 SDR11, metric
- Insulation made from GF HE foam
- Impact resistant. Color: black
- With threaded branch for sensors (i.e temperature, pressure)
- Spigot Fitting with free end (separate electrofusion fitting needed for joining)

Metals

Flow and pH



272X, 273X



525



2551



2537



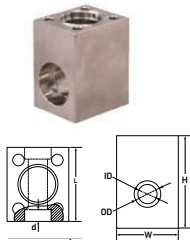
2536



515

Weld-on mini tap

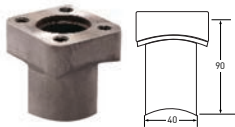
Metalex Socket Weld Mini-Tap (1.4401)



Part No.	Code No.	DN [mm]	Size [in.]	Sensor Type-Flow	o.d. [mm]	d [mm]	i.d. [mm]	o.d. [in.]	d [in.]	i.d. [in.]	L [in.]	W [in.]	H [in.]
P526-2005	198 840 501	15	1/2	P525-1, -1S	21.8	9.7	15.8	0.85	0.38	0.622	2.4	2.0	3.0
P526-2007	198 840 502	20	3/4	P525-1, -1S	27.2	12.7	20.9	1.06	0.50	0.824	2.4	2.0	3.0
P526-2010	198 840 503	25	1	P525-1, -1S	33.8	12.7	26.7	1.33	0.50	1.05	2.4	2.0	3.0

- For use with P525-1 and P525-1S only
- For use with SS pipe

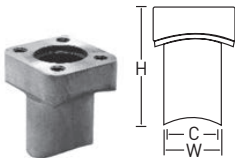
SS Weld-On Fitting (1.4401)



Code No.	DN [mm]	Inch
198 150 346	40-800	1 1/2-30

- For use with P525-2 and P525-2S

Metalex Weld-on Mini-Tap (1.4401)



Part No.	Code No.	Size [in.]	Sensor Type-Flow	W [in.]	H [in.]	C [in.]
P526-2012	159 000 494	1 1/4	P525-2, -2S	1.66	2.25	1.26
P526-2015	198 840 506	1 1/2	P525-2, -2S	1.66	2.20	1.26
P526-2020	159 000 495	2	P525-2, -2S	1.66	2.17	1.26
P526-2025	159 000 496	2 1/2	P525-2, -2S	1.66	2.10	1.26
P526-2030	159 000 497	3	P525-2, -2S	1.66	2.00	1.26
P526-2040	159 000 498	4	P525-2, -2S	1.66	1.95	1.26
P526-2050	159 000 499	5	P525-2, -2S	1.66	1.83	1.26
P526-2060	159 000 500	6	P525-2, -2S	1.66	1.75	1.26
P526-2080	159 000 501	8	P525-2, -2S	1.66	1.56	1.26
P526-2100	159 000 502	10	P525-2, -2S	1.66	1.35	1.26
P526-2120	159 000 503	12	P525-2, -2S	1.66	1.15	1.26

- For use with P525-2 and P525-2S only
- Gasket Klinger C4401 Thermo seal
- For use with SS pipe

Weld-on

Type 314, Stainless Steel, metric



Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	L [mm]
724 314 000	63-180	50 - 150	Flow -X0/ pH -XX	38	68
724 314 001	200 - 355	200 - 350	Flow -X1	38	102
724 314 002	400 - 630	350 - 600	Flow -X2	38	178

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Threaded outlet 1 1/4 inch NPSM
- pH sensors can also be used for dimensions above d180/DN150 and below d63/DN50 with 724 314 000; the length might have to be adjusted

Metals

Flow, pH and other sensors



2552



2540

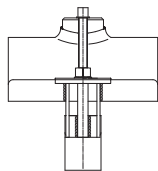
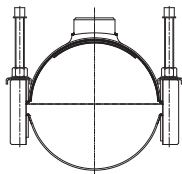


3719



272X, 273X

Multi/Clamp Saddle



Multi/Clamp Saddle Studs Threaded Outlet 3/4 Inch

Code No.	Range [mm]	PN Water	Sensor Type- pH/ORP, Temperature, Pressure
724 201 062	68 - 78	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 074	88 - 110	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 098	108 - 134	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 134	133 - 155	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 170	159 - 181	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 194	168 - 190	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 206	190 - 212	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 218	216 - 238	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 242	238 - 260	16	2350, 2450, 272X, 273X, 276X, 277X
724 201 254	267 - 289	16	2350, 2450, 272X, 273X, 276X, 277X

- Saddle with threaded outlet
- The rubber gasket is available in NBR (EPDM on request)

- Lower shell half is without gasket (available on request)

Multi/Clamp Saddle Studs Threaded Outlet 1 1/4 Inch

Code No.	Range [mm]	PN Water	Sensor Type- Flow
724 201 076	88 - 110	16	2552
724 201 100	108 - 134	16	2552
724 201 136	133 - 155	16	2552
724 201 172	159 - 181	16	2552
724 201 196	168 - 190	16	2552
724 201 208	190 - 212	16	2552
724 201 220	216 - 238	16	2552
724 201 244	238 - 260	16	2552
724 201 256	267 - 289	16	2552

- Saddle with threaded outlet
- The rubber gasket is available in NBR (EPDM on request)

- Lower shell half is without gasket (available on request)

Metals

Flow and other sensors



2552



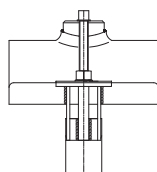
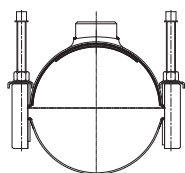
2540



3719

Multi/Clamp Saddle

Multi/Clamp Saddle Studs Threaded Outlet 1½ Inch



Code No.	Range [mm]	PN Water	Sensor Type-Flow, pH/ORP
724 201 101	108 - 134	16	2552, 2540, 3719
724 201 137	133 - 155	16	2552, 2540, 3719
724 201 173	159 - 181	16	2552, 2540, 3719
724 201 197	168 - 190	16	2552, 2540, 3719
724 201 209	190 - 212	16	2552, 2540, 3719
724 201 221	216 - 238	16	2552, 2540, 3719
724 201 245	238 - 260	16	2552, 2540, 3719
724 201 257	267 - 289	16	2552, 2540, 3719

- For use with Flow: 2552, 2540
- For use with pH/ORP: 3719,
- Saddle with threaded outlet

- The rubber gasket is available in NBR (EPDM on request)
- Lower shell half is without gasket (available on request)

Multi/Clamp Saddle Studs Threaded Outlet 2 Inch

Code No.	Range [mm]	PN Water	Sensor Type-pH/ORP
724 201 102	108 - 134	16	3719
724 201 138	133 - 155	16	3719
724 201 174	159 - 181	16	3719
724 201 198	168 - 190	16	3719
724 201 210	190 - 212	16	3719
724 201 222	216 - 238	16	3719
724 201 236	238 - 260	16	3719
724 201 258	267 - 289	16	3719









- Saddle with threaded outlet
- The rubber gasket is available in NBR (EPDM on request)

- Lower shell half is without gasket (available on request)

Asia Fittings

Table of contents

Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
JIS		Socket fusion	EPDM/FKM	d22 - d60	Flow, pH	-	-	32
		Flange adapters	-	D76-D216	Flow, pH	-	-	32
PVC-U		Solvent Cementing	FKM	0.50 - 2.0 in.	Flow, pH	max. 16 bar	0 °C - +60 °C	33
		Saddle/ Solvent cementing	EPDM/FKM	d75 - d225	Flow, pH	max. 16 bar	0 °C - +60 °C	33
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C - +60 °C	34
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 12.6 bar	0 °C - +60 °C	34
		Clamp-on saddle	-	-	Flow, pH	-	-	35
		Clamp-on saddle	EPDM	2.0 - 8.0 in.	Flow, pH	max. 12.6 bar	0 °C - +60 °C	35
		Glue-on saddle	no gasket	10 - 12 in.	Flow	max. 16 bar	0 °C - +60 °C	35
PVC-C		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C - +100 °C	36
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C - +100 °C	36
PP		Socket Fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	-10 °C - +95 °C	37
		Flange adapters	EPDM/FKM	d75 - d315	Flow	max. 16 bar	-10 °C - +95 °C	37
PVDF		Socket fusion	FKM	d20 - d63	Flow, pH	max. 16 bar	-20 °C - +100 °C	38
		Flange adapters	FKM	d75 - d225	Flow	max. 16 bar	-20 °C - +140 °C	38

Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
Fiberglass		Solvent cementing	PVDF insert	1.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	39
Metals		NPT threaded	PVDF insert up to 8 in. PVC insert over 8 in.	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	40
		Sweat on	No insert up to 1 in. PVDF insert over 1 in.	0.50 - 1.50 in.	Flow, pH	max. 13.8 bar	0 °C - +100 °C	40
		NPT threaded	no gasket/ PVDF insert	1.0 - 2.0 in	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	41
		NPT threaded	PVDF insert	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	41
		NPT threaded	PVDF insert	1.0 - 2.0 in	Flow, pH	-	-	42
		Weld-on	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	42
		Braze	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12.0 in	Flow, pH	-	-	42
		Weld-on	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	43
		Strap-on	Buna-N/PVDF insert up to 8 in. PVC insert over 8 in.	2.00 - 12.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	43
		Socket weld-on to SS pipe	no gasket	0.50 - 1.0 in	525-1, 525-1S only	max. 16 bar	-	44
		Weld-on to SS pipe	Klinger C4401 Thermoseal	1.25 - 12.0 in	525-2, 525-2S only	max. 16 bar	-	44
Electrofusion		-	-	-	-	-	-	45

JIS

Flow and pH



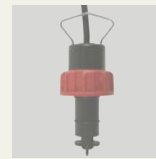
2551



2537



2536

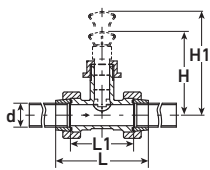


515



272X, 273X

Tee

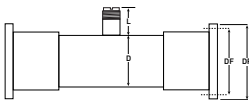


JIS PVC-U Tee Fittings

EPDM Code No.	FKM Code No.	DN [mm]	Sensor Type-Flow, pH/ORP	d [mm]	H [mm]	H1 [mm]	L [mm]	L1 [mm]
200 072 063	200 070 933	15	Flow -X0, pH -XX	22	145	225	128	90
200 072 064	200 070 934	20	Flow -X0, pH -XX	26	148	228	144	100
200 072 065	200 070 935	25	Flow -X0, pH -XX	32	151	231	160	110
200 072 066	200 070 936	32	Flow -X0, pH -XX	38	155	235	168	110
200 072 067	200 070 937	40	Flow -X0, pH -XX	48	159	239	188	120
200 072 068	200 070 902	50	Flow -X0, pH -XX	60	164	244	212	130

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- These fittings are only available from the Georg Fischer sales office in Japan.
- Choice FKM or EPR (EPDM) O-ring
- Appearance varies in DN15 mm

JIS PVC-U Tee Fittings (Flange Type)



Code No.	DN [mm]	Sensor Type-Flow, pH/ORP	D [mm]	DF	DP	L [mm]
200 070 892	65	Flow -X0, pH -XX	76	175	140	57.2
200 070 893	80	Flow -X0, pH -XX	89	185	150	56.8
200 070 894	100	Flow -X0, pH -X1	114	210	175	56.9
200 070 895	125	Flow -X1	140	250	210	82.0
200 070 896	150	Flow -X1	165	280	240	77.8
200 070 897	200	Flow -X1	216	330	290	71.6

- For use with Flow: with P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- These fittings are only available from the Georg Fischer sales office in Japan.

PVC-U/BS Inch

Flow and pH



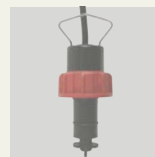
2551



2537



2536

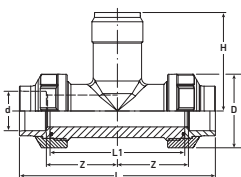


515



272X, 273X

Tee



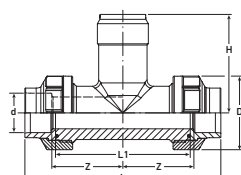
PVC-U for Socket Systems, Metric

Part No.	FKM Code No.	EPDM Code No.	d [mm]	DN [mm]	Sensor Type - Flow, pH/ORP	PN	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
PVMT005	721 310 036	721 310 006	20	15	Flow -X0, pH -XX	16	43	48	128	90	76
PVMT007	721 310 037	721 310 007	25	20	Flow -X0, pH -XX	16	51	53	144	100	78
PVMT010	721 310 038	721 310 008	32	25	Flow -X0, pH -XX	16	58	58	160	110	81
PVMT012	721 310 039	721 310 009	40	32	Flow -X0, pH -XX	16	72	58	168	110	85
PVMT015	721 310 040	721 310 010	50	40	Flow -X0, pH -XX	16	83	63	188	120	89
PVMT020	721 310 041	721 310 011	63	50	Flow -X0, pH -XX	16	100	68	212	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

BSP PVC-U for Socket Fusion, BS Inch

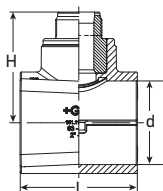


Part No.	FKM Code No.	EPDM Code No.	d [in.]	d [mm]	DN [mm]	Sensor Type - Flow, pH/ORP	PN	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
PVAT005	721 310 336	721 310 306	1/2	20	15	Flow -X0, pH -XX	15	43	48	131	90	76
PVAT007	721 310 337	721 310 307	3/4	25	20	Flow -X0, pH -XX	15	51	53	147	100	78
PVAT010	721 310 338	721 310 308	1	32	25	Flow -X0, pH -XX	15	58	58	164	110	81
PVAT012	721 310 339	721 310 309	1 1/4	40	32	Flow -X0, pH -XX	15	72	58	171	110	85
PVAT015	721 310 340	721 310 310	1 1/2	50	40	Flow -X0, pH -XX	15	83	63	188	120	89
PVAT020	721 310 341	721 310 311	2	63	50	Flow -X0, pH -XX	15	100	68	211	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- BSP Standard Pipe
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

Saddle



BSP PVC-U, Clamp-on Saddle, BS Inch

Part No.	Code No.	d [in.]	DN [mm]	Sensor Type - Flow, pH/ORP	d [mm]	PN	D [mm]	H [mm]	H1 [mm]	L [mm]
PVAS030	198 150 550	3	80	Flow -X0, pH -XX	90	15	39	105	225	105
PVAS040	198 150 551	4	100	Flow -X0, pH -XX	110	15	39	114	264	105
PVAS060	198 150 554	6	150	Flow -X1	160	15	39	156	339	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Sensor length depends on installation fitting
- BSP - British Standard Pipe
- Threaded outlet 1 1/4 inch NPSM
- EPR (EPDM) Gasket

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PVC-U

Flow and pH



2551



2537



2536



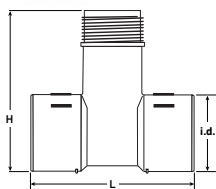
515



272X, 273X

Tee

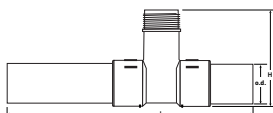
PVC-U Tees SCH 80 - Fitting Only



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d [in.]
MPV8T005F	159 001 614	0.50	Flow -X0, pH -XX	3.75	3.50	0.85
MPV8T007F	159 001 615	0.75	Flow -X0, pH -XX	3.75	3.70	1.06
MPV8T010F	159 001 616	1.00	Flow -X0, pH -XX	4.30	4.00	1.33
MPV8T012F	159 001 617	1.25	Flow -X0, pH -XX	4.40	4.30	1.67
MPV8T015F	159 001 618	1.50	Flow -X0, pH -XX	5.00	4.60	1.91
MPV8T020F	159 001 619	2.00	Flow -X0, pH -XX	5.50	5.00	2.40

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- NSF

PVC-U Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	o.d [in.]
MPV8T005	159 001 623	0.50	Flow -X0, pH -XX	14	3.50	0.84
MPV8T007	159 001 624	0.75	Flow -X0, pH -XX	14	3.70	1.05
MPV8T010	159 001 625	1.00	Flow -X0, pH -XX	17	4.00	1.32
MPV8T012	159 001 626	1.25	Flow -X0, pH -XX	20	4.30	1.66
MPV8T015	159 001 627	1.50	Flow -X0, pH -XX	24	4.60	1.90
MPV8T020	159 001 628	2.00	Flow -X0, pH -XX	26.5	5.02	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

PVC-U Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type	L [in.]	H [in.]	o.d [in.]
PV8T025	198 801 573	2.50	Flow -X0, pH-XX	24	5.4	2.88
PV8T030	198 801 416	3.00	Flow -X0, pH-XX	24	6.0	3.50
PV8T040	198 801 436	4.00	Flow -X0, pH-XX	24	7.0	4.50

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

¹Pipe lengths included with these fittings do not satisfy straight-run requirements for all installation configurations.

PVC-U

Flow and pH



2551



2537



2536



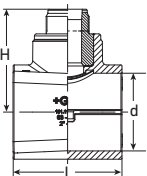
515



272X, 273X

Saddle

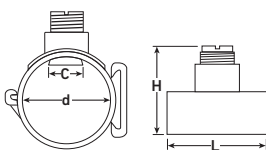
PVC-U Clamp-on Saddles, Metric



Part No.	Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	PN [bar]	H [mm]	L [mm]
PVMS025	198 150 538	75	65	Flow -X0, pH-XX	16	99	105
PVMS030	198 150 539	90	80	Flow -X0, pH-XX	16	105	105
PVMS040	198 150 540	110	100	Flow -X0, pH-XX	16	114	105
PVMS060	198 150 543	160	150	Flow -X1	16	156	120
PVMS080	198 150 545	225	200	Flow -X1	16	184	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Top saddle for solvent cement bonding
- Seal: Lip seal of EPDM
- pH sensors can only be used up to 4 in. or DN100 pipe

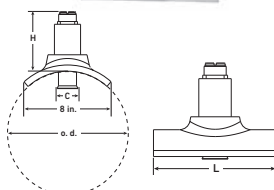
PVC-U Clamp-on Saddles SCH 80



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	d [in.]	C [in.]
PV8S020	159 000 637	2.00	Flow -X0, pH -XX	4.00	5.0	2.375	1.43
PV8S025	159 000 638	2.50	Flow -X0, pH -XX	4.75	5.4	2.875	1.43
PV8S030	198 150 577	3.00	Flow -X0, pH -XX	5.00	6.0	3.500	1.43
PV8S040	198 150 578	4.00	Flow -X0	5.00	7.1	4.500	1.43
PV8S060	198 150 579	6.00	Flow -X1	5.00	10.0	6.625	2.25
PV8S080	159 000 639	8.00	Flow -X1	5.00	11.5	8.625	2.25

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Mounts on PVC pipe
- C - Clearance dimension
- EPR (EPDM) O-ring
- NSF

PVC-U Glue-on Saddle Fitting SCH 80



Part No.	Code No.	Size [in.]	Sensor Type	L [in.]	H [in.]	o.d. [in.]	C [in.]
PV8S100	159 000 695	10.00	Flow -X2	9.0	5.43	10.75	2.25
PV8S120	159 000 696	12.00	Flow -X2	9.0	5.15	12.75	2.25

- For use with Flow: P51530-X2, 3-2536-X2, 3-2551-X2-XX

PVC-C

Flow and pH



2551



2537



2536



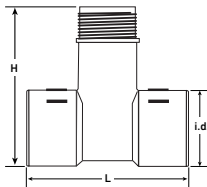
515



272X, 273X

Tee

PVC-C Tees SCH 80 - Fitting Only

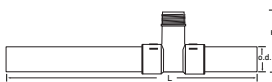


Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d [in.]
MCPV8T005F	159 001 632	0.50	Flow -X0, pH -XX	3.75	3.50	0.85
MCPV8T007F	159 001 633	0.75	Flow -X0, pH -XX	3.75	3.70	1.06
MCPV8T010F	159 001 634	1.00	Flow -X0, pH -XX	4.30	4.00	1.33
MCPV8T012F	159 001 635	1.25	Flow -X0, pH -XX	4.40	4.30	1.67
MCPV8T015F	159 001 636	1.50	Flow -X0, pH -XX	5.00	4.60	1.91
MCPV8T020F	159 001 637	2.00	Flow -X0, pH -XX	5.50	5.00	2.40

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

PVC-C Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	o.d [in.]
MCPV8T005	159 001 641	0.50	Flow -X0, pH -XX	14	3.50	0.84
MCPV8T007	159 001 642	0.75	Flow -X0, pH -XX	14	3.70	1.05
MCPV8T010	159 001 643	1.00	Flow -X0, pH -XX	17	4.00	1.32
MCPV8T012	159 001 644	1.25	Flow -X0, pH -XX	20	4.30	1.66
MCPV8T015	159 001 645	1.50	Flow -X0, pH -XX	24	4.60	1.90
MCPV8T020	159 001 646	2.00	Flow -X0, pH -XX	26.5	5.02	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

¹Pipe lengths included with these fittings do not satisfy straight-run requirements for all installation configurations.

PP

Flow and pH



2551



2537



2536



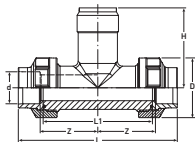
515



272X, 273X

Tee

PP-H for Socket Fusion, Metric (PROGEF Standard)



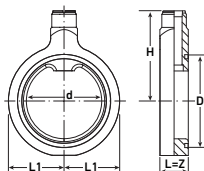
Part No.	FKM Code No.	EPDM Code No.	d [mm]	DN [mm]	PN	Sensor Type-Flow, pH/ORP	D [mm]	Z [mm]	L [mm]	L1 [mm]	H [mm]
PPMT005	727 310 036	727 310 006	20	15	10	Flow -X0, pH -XX	48	50	128	90	76
PPMT007	727 310 037	727 310 007	25	20	10	Flow -X0, pH -XX	58	55	142	100	78
PPMT010	727 310 038	727 310 008	32	25	10	Flow -X0, pH -XX	65	60	156	110	81
PPMT012	727 310 039	727 310 009	40	32	10	Flow -X0, pH -XX	79	60	160	110	85
PPMT015	727 310 040	727 310 010	50	40	10	Flow -X0, pH -XX	91	65	176	120	89
PPMT020	727 310 041	727 310 011	63	50	10	Flow -X0, pH -XX	105	70	194	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends
- Threaded outlet 1 1/4 inch NPSM
- Union end with fusion socket PP-H

Wafer

PP-H, Wafer Fitting, Metric and Inch (EPR/EPDM gaskets)



Part No.	EPDM Code No.	d [in.]	DN [mm]	Sensor Type-Flow	PN	d [mm]	D [mm]	H [mm]	L [mm]	L1 [mm]
PPMTE025	727 311 012	2.50	65	Flow -X1	10	75	88	128	48	61
PPMTE030	727 311 013	3.00	80	Flow -X1	10	90	102	140	48	69
PPMTE040	727 311 014	4.00	100	Flow -X1	10	110	132	145	48	79
PPMTE060	727 311 017	6.00	150	Flow -X1	10	160	182	156	48	106

- For use with P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

- Suitable for backing flanges metric and inch
- Suitable for SDR 11 - SDR 17.6
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

PP-H, Wafer Fitting, Metric and Inch (FKM gaskets)

Part No.	EPDM Code No.	d [in.]	DN [mm]	Sensor Type-Flow	PN	d [mm]	D [mm]	H [mm]	L [mm]	L1 [mm]
PPMTF040	727 311 044	4.00	100	Flow -X1	10	110	132	145	48	79

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

- Suitable for backing flanges metric and inch
- Suitable for SDR 11 - SDR 17.6
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

PVDF

Flow and pH



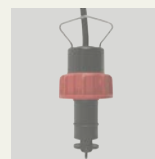
2551



2537



2536



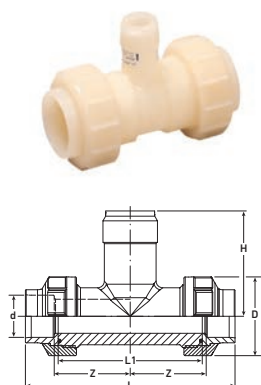
515



272X, 273X

Tee

PVDF, Socket Fusion, Metric, Type 310 (SYGEF Standard)



Part No.	FKM Code No.	d [mm]	Sensor Type-Flow, pH/ORP	PN [bar]	D [mm]	H [mm]	L [mm]	L1 [mm]	Z [mm]
SFMT005	735 310 036	20	Flow -X0, pH -XX	16	45	76	128	90	50
SFMT007	735 310 037	25	Flow -X0, pH -XX	16	55	78	142	100	55
SFMT010	735 310 038	32	Flow -X0, pH -XX	16	62	81	156	110	60
SFMT012	735 310 039	40	Flow -X0, pH -XX	16	75	85	160	110	60
SFMT015	735 310 040	50	Flow -X0, pH -XX	16	84	89	176	120	65
SFMT020	735 310 041	63	Flow -X0, pH -XX	16	101	95	194	130	70

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- To install this installation fitting in PVC-C, PP-R and PE pipes; Replace the original union ends with PVC-C, PP-R and PE union ends
- Socket fusion equipment is required to install PVDF union tees
- FKM O-rings
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM

Wafer

SYGEF Standard, Metric and Inch (FKM gaskets)



Part No.	FKM Code No.	d [mm]	d [in.]	Sensor Type-Flow	DN [mm]	PN [bar]	H [mm]	D [mm]	L [mm]	L1 [mm]
SFMTF030	735 311 043	90	3.00	Flow -X1	80	10/16	141	102	48	69

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting
- Suitable for backing flanges metric and inch
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

Fiberglass

Flow and pH



2551



2537



2536



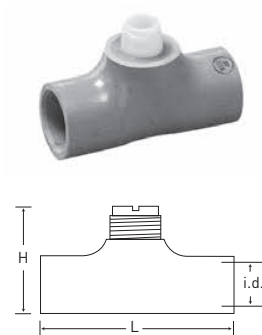
515



272X, 273X

Tee

Fiberglass Glue-on Tees



Part No.	Code No.	Size [in.]	Sensor Type- Flow, pH/ORP	L [in.]	H [in.]	i.d. [in.]
FPT015	159 000 446	1.50	Flow -X0, pH -XX	5.5	4.7	1.92
FPT020	159 000 447	2.00	Flow -X0, pH -XX	7.7	8.0	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- PTFE wetted material. Contact factory for available options

Metals

Flow and pH



2551



2537



2536



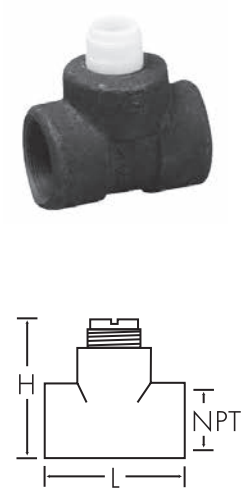
515



272X, 273X

Tee

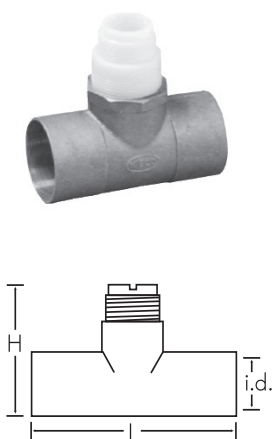
Carbon Steel Threaded Tees with NPT Threads



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]
CS4T005	198 801 459	0.50	Flow -X0, pH -XX	3.6	4.0
CS4T007	198 801 460	0.75	Flow -X0, pH -XX	3.6	4.2
CS4T010	198 801 461	1.00	Flow -X0, pH -XX	3.6	4.2
CS4T012	198 801 462	1.25	Flow -X0, pH -XX	3.8	4.5
CS4T015	198 801 419	1.50	Flow -X0, pH -XX	4.1	4.8
CS4T020	198 801 463	2.00	Flow -X0, pH -XX	4.9	5.3

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.

Copper Sweat-on Tees with PVDF insert



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d. [in.]
CUKT005	198 801 687	0.50	Flow -X0, pH -XX	3.15	3.30	0.62
CUKT007	198 801 688	0.75	Flow -X0, pH -XX	2.96	3.52	0.87
CUKT010	198 801 689	1.00	Flow -X0, pH -XX	3.00	3.80	1.12
CUKT012	198 801 690	1.25	Flow -X0, pH -XX	4.16	4.12	1.38
CUKT015	198 801 691	1.50	Flow -X0, pH -XX	4.50	4.34	1.63
CUKT020	198 801 418	2.00	Flow -X0, pH -XX	5.50	4.86	2.11

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- No insert up to 1 in., over 1 in. - PVDF insert
- For use with copper pipe (SCH K)
- PTFE wetted material. Contact factory for available options.

Metals

Flow and pH



2551



2537



2536

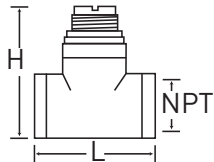


515



272X, 273X

Tee



Galvanized Iron Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	NPT	L [in.]	H [in.]
IR4T010	198 801 421	1.00	Flow -X0, pH -XX	1.00	3.4	4.1
IR4T012	198 801 422	1.25	Flow -X0, pH -XX	1.25	3.56	4.34
IR4T015	198 801 423	1.50	Flow -X0, pH -XX	1.50	3.75	4.67
IR4T020	198 801 424	2.00	Flow -X0, pH -XX	2.00	3.90	5.05

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

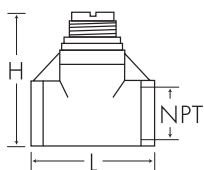
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.



0.50" - 1.00"



1.25" - 2.00"



316 SS (1.4401) Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]
CR4T005	198 801 554	0.50	Flow -X0, pH -XX	3.6	4.0
CR4T007	198 801 555	0.75	Flow -X0, pH -XX	3.6	4.2
CR4T010	198 801 556	1.00	Flow -X0, pH -XX	3.6	4.2
CR4T012	198 801 783	1.25	Flow -X0, pH -XX	3.8	4.5
CR4T015	198 801 784	1.50	Flow -X0, pH -XX	4.1	4.8
CR4T020	198 801 785	2.00	Flow -X0, pH -XX	4.9	5.3

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.

Metals

Flow and pH



2551



2537



2536

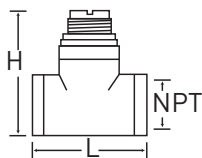


515



272X, 273X

Tee



Brass Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	NPT [in.]	L [in.]	H [in.]
BR4T010	198 801 770	1.00	Flow -X0, pH -XX	1.00	3.36	4.09
BR4T012	198 801 771	1.25	Flow -X0, pH -XX	1.25	3.42	4.42
BR4T015	198 801 772	1.50	Flow -X0, pH -XX	1.50	3.46	4.70
BR4T020	198 801 773	2.00	Flow -X0, pH -XX	2.00	3.68	5.19

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.

Carbon Steel Weld-on Weldolets for use with SCH 40 Metal Pipe (ASTM)

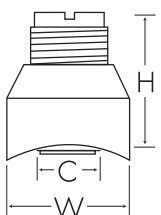
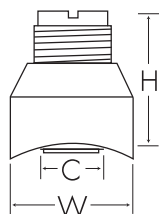
Part No.	Code	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
CS4W025	198 801 464	2.50	Flow -X0, pH-XX	2.60	2.48	1.31
CS4W030	198 801 557	3.00	Flow -X0, pH -XX	2.60	2.47	1.31
CS4W040	198 801 552	4.00	Flow -X0, pH -XX	2.60	2.45	1.31
CS4W050	198 801 465	5.00	Flow -X1	3.50	3.24	2.10
CS4W060	198 801 553	6.00	Flow -X1	3.50	3.11	2.10
CS4W080	198 801 574	8.00	Flow -X1	3.50	2.88	2.10
CS4W100	198 801 575	10.0	Flow -X2	3.50	5.63	2.10
CS4W120	198 801 576	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- PTFE wetted material. Contact factory for available options.

Brass Brazolets with PVDF insert for use with Copper Pipe (SCH 40 ASTM)

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
BR4B025	198 801 794	2.50	Flow -X0, pH-XX	2.50	2.48	1.31
BR4B030	198 801 795	3.00	Flow -X0, pH -XX	2.50	2.47	1.31
BR4B040	198 801 796	4.00	Flow -X0, pH -XX	2.50	2.45	1.31
BR4B050	198 801 797	5.00	Flow -X1	3.50	3.24	2.10
BR4B060	198 801 798	6.00	Flow -X1	3.50	3.11	2.10
BR4B080	198 801 799	8.00	Flow -X1	3.50	2.88	2.10
BR4B100	198 801 800	10.0	Flow -X2	3.50	5.63	2.10
BR4B120	198 801 801	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- PTFE wetted material. Contact factory for available options.



Metals

Flow and pH



2551



2537



2536

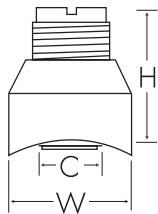


515



272X, 273X

Tee



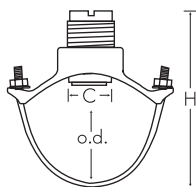
316 SS (1.4401) Weldolets with PVDF Insert for use with SCH 40 Metal Pipe (ASTM)

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
CR4W025	198 801 786	2.50	Flow -X0, pH -XX	2.50	2.48	1.31
CR4W030	198 801 787	3.00	Flow -X0, pH -XX	2.50	2.47	1.31
CR4W040	198 801 788	4.00	Flow -X0, pH -XX	2.50	2.45	1.31
CR4W050	198 801 789	5.00	Flow -X1	3.50	3.24	2.10
CR4W060	198 801 790	6.00	Flow -X1	3.50	3.11	2.10
CR4W080	198 801 791	8.00	Flow -X1	3.50	2.88	2.10
CR4W100	198 801 792	10.0	Flow -X2	3.50	5.63	2.10
CR4W120	198 801 793	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- C - Clearance dimension
- PTFE wetted material. Contact factory for available options.

Iron Strap-on Saddle for use with SCH 80 Metal Pipe (ASTM)



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	H [in.]	o.d. min [in.]	o.d. max [in.]	C [in.]
IR8S020	198 801 425	2.00	Flow -X0, pH -XX	5.5	2.35	2.56	1.44
IR8S025	198 801 426	2.50	Flow -X0, pH -XX	5.5	2.44	2.91	1.44
IR8S030	198 801 427	3.00	Flow -X0, pH -XX	6.5	2.97	3.54	1.44
IR8S040	198 801 420	4.00	Flow -X0, pH -XX	7.5	3.74	4.55	1.44
IR8S050	198 801 429	5.00	Flow -X1	9.0	4.74	5.63	2.25
IR8S060	198 801 430	6.00	Flow -X1	10.5	5.94	6.70	2.25
IR8S080	198 801 431	8.00	Flow -X1	12.0	7.69	8.72	2.25
IR8S100	198 801 432	10.0	Flow -X2	18.0	10.64	12.12	2.25
IR8S120	198 801 433	12.0	Flow -X2	20.0	12.62	14.32	2.25

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- Buna O-ring
- Larger sizes may be available as well as PTFE wetted material. Contact factory.

Metals

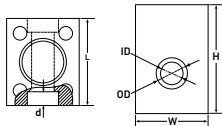
Flow and pH



525

Weld-on mini tap

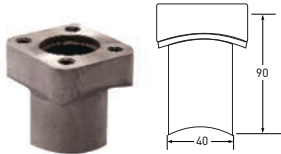
Metalex Socket Weld Mini-Tap (1.4401)



Part No.	Code No.	DN [mm]	Size [in.]	Sensor Type-Flow	o.d. [mm]	d [mm]	i.d. [mm]	o.d. [in.]	d [in.]	i.d. [in.]	L [in.]	W [in.]	H [in.]
P526-2005	198 840 501	15	½	P525-1, -1S	21.8	9.7	15.8	0.85	0.38	0.622	2.4	2.0	3.0
P526-2007	198 840 502	20	¾	P525-1, -1S	27.2	12.7	20.9	1.06	0.50	0.824	2.4	2.0	3.0
P526-2010	198 840 503	25	1	P525-1, -1S	33.8	12.7	26.7	1.33	0.50	1.05	2.4	2.0	3.0

- For use with P525-1 and P525-1S only
- For use with SS pipe

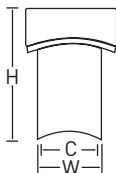
SS Weld-On Fitting (1.4401)



Code No.	DN [mm]	Inch
198 150 346	40-800	1½-30

- For use with P525-2 and P525-2S

Metalex Weld-on Mini-Tap (1.4401)



Part No.	Code No.	Size [in.]	Sensor Type-Flow	W [in.]	H [in.]	C [in.]
P526-2012	159 000 494	1¼	P525-2, -2S	1.66	2.25	1.26
P526-2015	198 840 506	1½	P525-2, -2S	1.66	2.20	1.26
P526-2020	159 000 495	2	P525-2, -2S	1.66	2.17	1.26
P526-2025	159 000 496	2½	P525-2, -2S	1.66	2.10	1.26
P526-2030	159 000 497	3	P525-2, -2S	1.66	2.00	1.26
P526-2040	159 000 498	4	P525-2, -2S	1.66	1.95	1.26
P526-2050	159 000 499	5	P525-2, -2S	1.66	1.83	1.26
P526-2060	159 000 500	6	P525-2, -2S	1.66	1.75	1.26
P526-2080	159 000 501	8	P525-2, -2S	1.66	1.56	1.26
P526-2100	159 000 502	10	P525-2, -2S	1.66	1.35	1.26
P526-2120	159 000 503	12	P525-2, -2S	1.66	1.15	1.26

- For use with P525-2 and P525-2S only
- Gasket Klinger C4401 Thermoseal
- For use with SS pipe

Metals

Flow and pH



2552



2540



3719

Saddle

Electrofusion for PE pipes: Transition Saddles with Stainless 1 1/2 Inch Outlet



GFCP Part No.	Part No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	d [in.]
10004673	360001144	2.0	2552-2	3.6	3.18	N/A
10004686	360001159	3.0	2552-2	4.6	3.18	N/A
10004700	360001174	4.0	2552-2	6.26	3.8	N/A
10004717	360001191	6.0	2552-2	8.68	4.96	N/A
10007761	360001216	8.0	2552-2	5.92	2.96	N/A
-	Special request	10.0	2552-2	Call	Call	N/A
-	Special request	12.0	2552-2	Call	Call	N/A
1 1/2 Inch outlet						
10004676	360001147	2.0	2552-3, 2540-XX, 3719-11	3.6	3.18	N/A
10004689	360001162	3.0	2552-3, 2540-XX, 3719-11	4.6	3.18	N/A
10004703	360001177	4.0	2552-3, 2540-XX, 3719-11	6.26	3.8	N/A
10004720	360001194	6.0	2552-3, 2540-XX, 3719-11	8.68	4.96	N/A
10004743	360001219	8.0	2552-3, 2540-XX, 3719-11	5.92	2.96	N/A
-	Special request	10.0	2552-3, 2540-XX, 3719-11	Call	Call	N/A
-	Special request	12.0	2552-3, 2540-XX, 3719-11	Call	Call	N/A

- Transition saddle with 1 1/4 FNPT branch/outlet
- Transition saddle with 1 1/2 FNPT branch/outlet

- These fittings are only available from your local Georg Fischer sales office

USA Fittings

Table of contents

Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
PE		Fusion	-	greater than 2 in.	Flow	50 - 200 psi depending on SDR. Based on temperatures of @ 23 °C	65 °F – 200 °F depending on SDR rating	48
PVC-U		Solvent Cementing	FKM	0.50 - 2.0 in.	Flow, pH	max. 16 bar	0 °C – +60 °C	49
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C – +60 °C	50
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 12.6 bar	0 °C – +60 °C	50
		Clamp-on saddle	EPDM	2.0 - 8.0 in.	Flow, pH	max. 12.6 bar	0 °C – +60 °C	51
		Glue-on saddle	no gasket	10 - 12 in.	Flow	max. 16 bar	0 °C – +60 °C	51
PVC-C		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C – +100 °C	52
		Solvent Cementing	no gasket	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	0 °C – +100 °C	52
PP		Socket Fusion	EPDM/FKM	d20 - d63	Flow, pH	max. 16 bar	-10 °C – +95 °C	53
		Flange adapters	EPDM/FKM	d75 - d315	Flow	max. 16 bar	-10 °C – +95 °C	53
PVDF		Socket fusion	FKM	d20 - d63	Flow, pH	max. 16 bar	-20 °C – +100 °C	54
		Flange adapters	FKM	d75 - d225	Flow	max. 16 bar	-20 °C – +140 °C	54
Fiberglass		Solvent cementing	PVDF insert	1.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	55

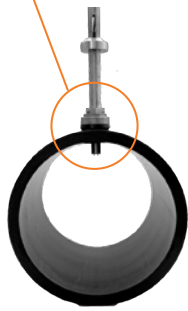
Material	Fitting	Joint	Gasket	Dimension	Sensor Type	Pressure	Temperature	Page
Metals		NPT threaded	PVDF insert up to 8 in. PVC insert over 8 in.	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C – +100 °C	56
		Sweat on	No insert up to 1 in. PVDF insert over 1 in.	0.50 - 1.50 in.	Flow, pH	max. 13.8 bar	0 °C – +100 °C	56
		NPT threaded	no gasket/ PVDF insert	1.0 - 2.0 in	Flow, pH	max. 13.8 bar	-15 °C – +100 °C	57
		NPT threaded	PVDF insert	0.50 - 2.0 in.	Flow, pH	max. 13.8 bar	-15 °C – +100 °C	57
		NPT threaded	PVDF insert	1.0 - 2.0 in	Flow, pH	–	–	58
		Weld-on	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	58
		Braze	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12.0 in	Flow, pH	–	–	58
		Weld-on	PVDF insert up to 8 in. PVC insert over 8 in.	2.5 - 12.0 in.	Flow, pH	max. 13.8 bar	-15 °C – +100 °C	59
		Strap-on	Buna-N/PVDF insert up to 8 in. PVC insert over 8 in.	2.00 - 12.0 in.	Flow, pH	max. 13.8 bar	-15 °C - +100 °C	59
		Socket weld-on to SS pipe	–	0.50 - 1.0 in	525-1, 525-1S only	–	–	60
		Weld-on to SS pipe	Klinger C4401 Thermoseal	1.25 - 12.0 in	525-2, 525-2S only	–	–	60
Electrofusion		–	–	–	–	–	–	61

PE

Flow



2552



PE Socket Fusion X Threaded Transition Fittings

Part No.	Size [in.]	Sensor Type
10013433	1.25	Flow 2552-2
10013434	1.50	Flow 2552-2

- For use with 3-2552-X0

PVC-U/BS Inch

Flow and pH



2551



2537



2536

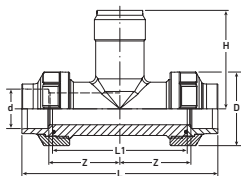


515



272X, 273X

Tee

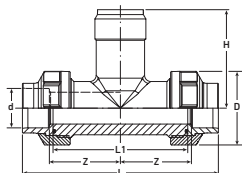


PVC-U for Socket Systems, Metric

Part No.	FKM Code No.	EPDM Code No.	d [mm]	DN [mm]	Sensor Type - Flow, pH/ORP	PN	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
PVMT005	721 310 036	721 310 006	20	15	Flow -X0, pH -XX	16	43	48	128	90	76
PVMT007	721 310 037	721 310 007	25	20	Flow -X0, pH -XX	16	51	53	144	100	78
PVMT010	721 310 038	721 310 008	32	25	Flow -X0, pH -XX	16	58	58	160	110	81
PVMT012	721 310 039	721 310 009	40	32	Flow -X0, pH -XX	16	72	58	168	110	85
PVMT015	721 310 040	721 310 010	50	40	Flow -X0, pH -XX	16	83	63	188	120	89
PVMT020	721 310 041	721 310 011	63	50	Flow -X0, pH -XX	16	100	68	212	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- To install this installation fitting in PVC-C, PP-R and PE pipes; Replace the original union ends with PVC-C, PP-R and PE union ends.
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

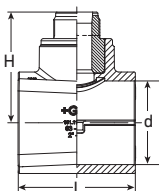
BSP PVC-U for Socket Fusion, BS Inch



Part No.	FKM Code No.	EPDM Code No.	d [in.]	d [mm]	DN [mm]	Sensor Type - Flow, pH/ORP	PN	D [mm]	z [mm]	L [mm]	L1 [mm]	H [mm]
PVAT005	721 310 336	721 310 306	0.50	20	15	Flow -X0, pH -XX	15	43	48	131	90	76
PVAT007	721 310 337	721 310 307	0.75	25	20	Flow -X0, pH -XX	15	51	53	147	100	78
PVAT010	721 310 338	721 310 308	1.0	32	25	Flow -X0, pH -XX	15	58	58	164	110	81
PVAT012	721 310 339	721 310 309	1.25	40	32	Flow -X0, pH -XX	15	72	58	171	110	85
PVAT015	721 310 340	721 310 310	1.5	50	40	Flow -X0, pH -XX	15	83	63	188	120	89
PVAT020	721 310 341	721 310 311	2.0	63	50	Flow -X0, pH -XX	15	100	68	211	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- BSP - British Standard Pipe
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

Saddle



BSP PVC-U, Clamp-on Saddle, BS Inch

Part No.	Code No.	d [in.]	DN [mm]	Sensor Type - Flow, pH/ORP	d [mm]	PN	D [mm]	H [mm]	H1 [mm]	L [mm]
PVAS030	198 150 550	3	80	Flow -X0, pH -XX	90	15	39	105	225	105
PVAS040	198 150 551	4	100	Flow -X0, pH -XX	110	15	39	114	264	105
PVAS060	198 150 554	6	150	Flow -X1	160	15	39	156	339	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- BSP - British Standard Pipe
- Threaded outlet 1 1/4 inch NPSM
- EPR (EPDM) Gasket

Alternative solution can be a PP saddle or wafer. Pipe size, pressure rating and chemical resistance need to be evaluated.

PVC-U

Flow and pH



2551



2537



2536



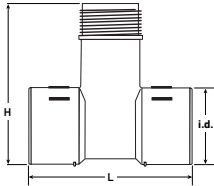
515



272X, 273X

Tee

PVC-U Tees SCH 80 - Fitting Only

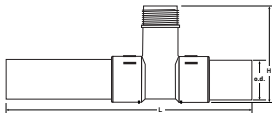


Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d [in.]
MPV8T005F	159 001 614	0.50	Flow -X0, pH -XX	3.75	3.50	0.85
MPV8T007F	159 001 615	0.75	Flow -X0, pH -XX	3.75	3.70	1.06
MPV8T010F	159 001 616	1.00	Flow -X0, pH -XX	4.30	4.00	1.33
MPV8T012F	159 001 617	1.25	Flow -X0, pH -XX	4.40	4.30	1.67
MPV8T015F	159 001 618	1.50	Flow -X0, pH -XX	5.00	4.60	1.91
MPV8T020F	159 001 619	2.00	Flow -X0, pH -XX	5.50	5.00	2.40

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- NSF

PVC-U Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	o.d [in.]
MPV8T005	159 001 623	0.50	Flow -X0, pH -XX	14	3.50	0.84
MPV8T007	159 001 624	0.75	Flow -X0, pH -XX	14	3.70	1.05
MPV8T010	159 001 625	1.00	Flow -X0, pH -XX	17	4.00	1.32
MPV8T012	159 001 626	1.25	Flow -X0, pH -XX	20	4.30	1.66
MPV8T015	159 001 627	1.50	Flow -X0, pH -XX	24	4.60	1.90
MPV8T020	159 001 628	2.00	Flow -X0, pH -XX	26.5	5.02	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

PVC-U Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type	L [in.]	H [in.]	o.d. [in.]
PV8T025	198 801 573	2.50	Flow -X0, pH-XX	24	5.4	2.88
PV8T030	198 801 416	3.00	Flow -X0, pH-XX	24	6.0	3.50
PV8T040	198 801 436	4.00	Flow -X0, pH-XX	24	7.0	4.50

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

¹Pipe lengths included with these fittings do not satisfy straight-run requirements for all installation configurations.

PVC-U

Flow and pH



2551



2537



2536



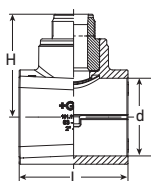
515



272X, 273X

Saddle

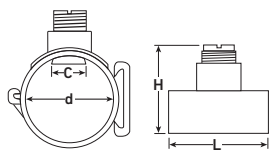
PVC-U Clamp-on Saddles, Metric



Part No.	Code No.	d [mm]	DN [mm]	Sensor Type-Flow, pH/ORP	PN [bar]	H [mm]	L [mm]
PVMS025	198 150 538	75	65	Flow -X0, pH-XX	16	99	105
PVMS030	198 150 539	90	80	Flow -X0, pH-XX	16	105	105
PVMS040	198 150 540	110	100	Flow -X0, pH-XX	16	114	105
PVMS060	198 150 543	160	150	Flow -X1	16	156	120
PVMS080	198 150 545	225	200	Flow -X1	16	184	120

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM
- Top saddle for solvent cement bonding
- Seal: Lip seal of EPDM
- pH sensors can only be used up to 4 in. or DN100 pipe

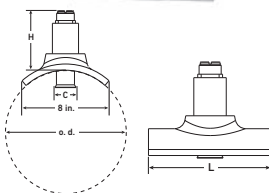
PVC-U Clamp-on Saddles SCH 80



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	d [in.]	C [in.]
PV8S020	159 000 637	2.00	Flow -X0, pH -XX	4.00	5.0	2.375	1.43
PV8S025	159 000 638	2.50	Flow -X0, pH -XX	4.75	5.4	2.875	1.43
PV8S030	198 150 577	3.00	Flow -X0, pH -XX	5.00	6.0	3.500	1.43
PV8S040	198 150 578	4.00	Flow -X0	5.00	7.1	4.500	1.43
PV8S060	198 150 579	6.00	Flow -X1	5.00	10.0	6.625	2.25
PV8S080	159 000 639	8.00	Flow -X1	5.00	11.5	8.625	2.25

- For use with Flow: P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- Mounts on PVC pipe
- C - Clearance dimension
- EPR (EPDM) O-ring
- NSF

PVC-U Glue-on Saddle Fitting SCH 80



Part No.	Code No.	Size [in.]	Sensor Type	L [in.]	H [in.]	o.d. [in.]	C [in.]
PV8S100	159 000 695	10.00	Flow -X2	9.0	5.43	10.75	2.25
PV8S120	159 000 696	12.00	Flow -X2	9.0	5.15	12.75	2.25

- For use with Flow: P51530-X2, 3-2536-X2, 3-2551-X2-XX

PVC-C

Flow and pH



2551



2537



2536



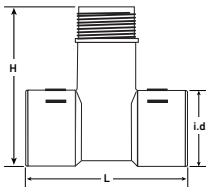
515



272X, 273X

Tee

PVC-C Tees SCH 80 - Fitting Only

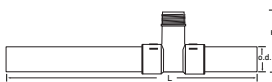


Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d [in.]
MCPV8T005F	159 001 632	0.50	Flow -X0, pH -XX	3.75	3.50	0.85
MCPV8T007F	159 001 633	0.75	Flow -X0, pH -XX	3.75	3.70	1.06
MCPV8T010F	159 001 634	1.00	Flow -X0, pH -XX	4.30	4.00	1.33
MCPV8T012F	159 001 635	1.25	Flow -X0, pH -XX	4.40	4.30	1.67
MCPV8T015F	159 001 636	1.50	Flow -X0, pH -XX	5.00	4.60	1.91
MCPV8T020F	159 001 637	2.00	Flow -X0, pH -XX	5.50	5.00	2.40

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

PVC-C Tees SCH 80 - with Pipe¹



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	o.d [in.]
MCPV8T005	159 001 641	0.50	Flow -X0, pH -XX	14	3.50	0.84
MCPV8T007	159 001 642	0.75	Flow -X0, pH -XX	14	3.70	1.05
MCPV8T010	159 001 643	1.00	Flow -X0, pH -XX	17	4.00	1.32
MCPV8T012	159 001 644	1.25	Flow -X0, pH -XX	20	4.30	1.66
MCPV8T015	159 001 645	1.50	Flow -X0, pH -XX	24	4.60	1.90
MCPV8T020	159 001 646	2.00	Flow -X0, pH -XX	26.5	5.02	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX

- For use with pH/ORP: 3-272X-XX, 3-273X-XX

¹Pipe lengths included with these fittings do not satisfy straight-run requirements for all installation configurations.

PP

Flow and pH



2551



2537



2536



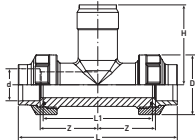
515



272X, 273X

Tee

PP-H for Socket Fusion, Metric (PROGEF Standard)



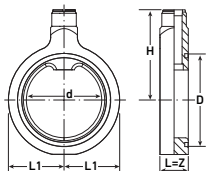
Part No.	FKM Code No.	EPDM Code No.	d [mm]	DN [mm]	PN	Sensor Type-Flow, pH/ORP	D [mm]	Z [mm]	L [mm]	L1 [mm]	H [mm]
PPMT005	727 310 036	727 310 006	20	15	10	Flow -X0, pH -XX	48	50	128	90	76
PPMT007	727 310 037	727 310 007	25	20	10	Flow -X0, pH -XX	58	55	142	100	78
PPMT010	727 310 038	727 310 008	32	25	10	Flow -X0, pH -XX	65	60	156	110	81
PPMT012	727 310 039	727 310 009	40	32	10	Flow -X0, pH -XX	79	60	160	110	85
PPMT015	727 310 040	727 310 010	50	40	10	Flow -X0, pH -XX	91	65	176	120	89
PPMT020	727 310 041	727 310 011	63	50	10	Flow -X0, pH -XX	105	70	194	130	95

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- To install this installation fitting in PVC-C, PP-R and PE pipes; replace the original union ends with PVC-C, PP-R and PE union ends
- Threaded outlet 1 1/4 inch NPSM
- Union end with fusion socket PP-H

Wafer

PP-H, Wafer Fitting, Metric and Inch (EPR/EPDM gaskets)



Part No.	EPDM Code No.	d [in.]	DN [mm]	Sensor Type-Flow	PN	d [mm]	D [mm]	H [mm]	L [mm]	L1 [mm]
PPMTE025	727 311 012	2.50	65	Flow -X1	10	75	88	128	48	61
PPMTE030	727 311 013	3.00	80	Flow -X1	10	90	102	140	48	69
PPMTE040	727 311 014	4.00	100	Flow -X1	10	110	132	145	48	79
PPMTE060	727 311 017	6.00	150	Flow -X1	10	160	182	156	48	106

- For use with P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

- Suitable for backing flanges metric and inch
- Suitable for SDR 11 - SDR 17.6
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

PP-H, Wafer Fitting, Metric and Inch (FKM gaskets)

Part No.	EPDM Code No.	d [in.]	DN [mm]	Sensor Type-Flow	PN	d [mm]	D [mm]	H [mm]	L [mm]	L1 [mm]
PPMTF040	727 311 044	4.00	100	Flow -X1	10	110	132	145	48	79

- For use with Flow: P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX
- Threaded outlet 1 1/4 inch NPSM
- Sensor length depends on installation fitting

- Suitable for backing flanges metric and inch
- Suitable for SDR 11 - SDR 17.6
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

PVDF

Flow and pH



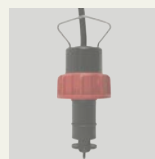
2551



2537



2536



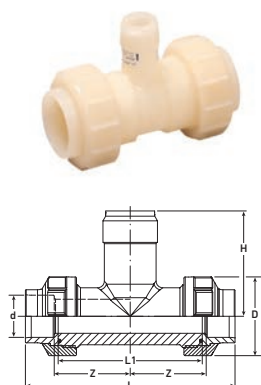
515



272X, 273X

Tee

PVDF, Socket Fusion, Metric, Type 310 (SYGEF Standard)

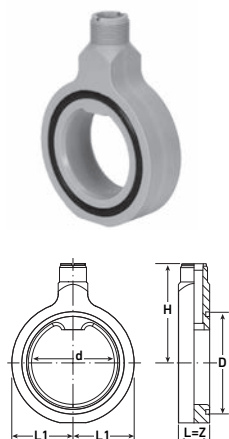


Part No.	FKM Code No.	d [mm]	Sensor Type-Flow, pH/ORP	PN [bar]	D [mm]	H [mm]	L [mm]	L1 [mm]	Z [mm]
SFMT005	735 310 036	20	Flow -X0, pH -XX	16	45	76	128	90	50
SFMT007	735 310 037	25	Flow -X0, pH -XX	16	55	78	142	100	55
SFMT010	735 310 038	32	Flow -X0, pH -XX	16	62	81	156	110	60
SFMT012	735 310 039	40	Flow -X0, pH -XX	16	75	85	160	110	60
SFMT015	735 310 040	50	Flow -X0, pH -XX	16	84	89	176	120	65
SFMT020	735 310 041	63	Flow -X0, pH -XX	16	101	95	194	130	70

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- To install this installation fitting in PVC-C, PP-R and PE pipes: Replace the original union ends by PVC-C, PP-R and PE union ends.
- Socket fusion equipment is required to install PVDF union tees
- FKM O-rings
- Sensor length depends on installation fitting
- Threaded outlet 1 1/4 inch NPSM

Wafer

SYGEF Standard, Metric and Inch (FKM gaskets)



Part No.	FKM Code No.	d [mm]	d [in.]	Sensor Type-Flow	DN [mm]	PN [bar]	H [mm]	D [mm]	L [mm]	L1 [mm]
SFMTF030	735 311 043	90	3.00	Flow -X1	80	10/16	141	102	48	69

- For use with Flow: P51530-X1, 3-2536-X1, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX
- Threaded outlet 1 1/4 NPSM
- Sensor length depends on installation fitting
- Suitable for backing flanges metric and inch
- Delivered with profile O-ring
- Wafer can be used with other pipe materials

Fiberglass

Flow and pH



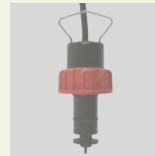
2551



2537



2536



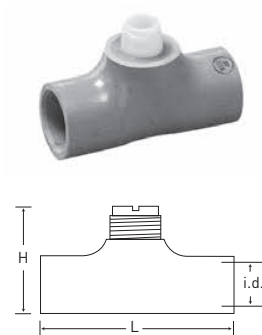
515



272X, 273X

Tee

Fiberglass Glue-on Tees



Part No.	Code No.	Size [in.]	Sensor Type- Flow, pH/ORP	L [in.]	H [in.]	i.d. [in.]
FPT015	159 000 446	1.50	Flow -X0, pH -XX	5.5	4.7	1.92
FPT020	159 000 447	2.00	Flow -X0, pH -XX	7.7	8.0	2.38

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- PTFE wetted material. Contact factory for available options

Metals

Flow and pH



2551



2537



2536



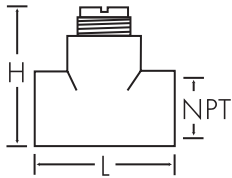
515



272X, 273X

Tee

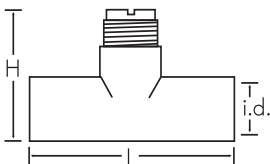
Carbon Steel Threaded Tees with NPT Threads



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]
CS4T005	198 801 459	0.50	Flow -X0, pH -XX	3.6	4.0
CS4T007	198 801 460	0.75	Flow -X0, pH -XX	3.6	4.2
CS4T010	198 801 461	1.00	Flow -X0, pH -XX	3.6	4.2
CS4T012	198 801 462	1.25	Flow -X0, pH -XX	3.8	4.5
CS4T015	198 801 419	1.50	Flow -X0, pH -XX	4.1	4.8
CS4T020	198 801 463	2.00	Flow -X0, pH -XX	4.9	5.3

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.

Copper Sweat-on Tees with PVDF insert



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	i.d. [in.]
CUKT005	198 801 687	0.50	Flow -X0, pH -XX	3.15	3.30	0.62
CUKT007	198 801 688	0.75	Flow -X0, pH -XX	2.96	3.52	0.87
CUKT010	198 801 689	1.00	Flow -X0, pH -XX	3.00	3.80	1.12
CUKT012	198 801 690	1.25	Flow -X0, pH -XX	4.16	4.12	1.38
CUKT015	198 801 691	1.50	Flow -X0, pH -XX	4.50	4.34	1.63
CUKT020	198 801 418	2.00	Flow -X0, pH -XX	5.50	4.86	2.11

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- No insert up to 1 in., over 1 in. - PVDF insert
- For use with copper pipe (SCH K)
- PTFE wetted material. Contact factory for available options.

Metals

Flow and pH



2551



2537



2536

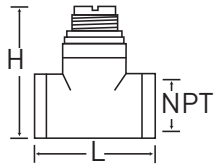


515



272X, 273X

Tee



Galvanized Iron Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	NPT	L [in.]	H [in.]
IR4T010	198 801 421	1.00	Flow -X0, pH -XX	1.00	3.4	4.1
IR4T012	198 801 422	1.25	Flow -X0, pH -XX	1.25	3.56	4.34
IR4T015	198 801 423	1.50	Flow -X0, pH -XX	1.50	3.75	4.67
IR4T020	198 801 424	2.00	Flow -X0, pH -XX	2.00	3.90	5.05

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

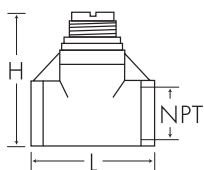
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.



0.50" - 1.00"



1.25" - 2.00"



316 SS (1.4401) Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]
CR4T005	198 801 554	0.50	Flow -X0, pH -XX	3.6	4.0
CR4T007	198 801 555	0.75	Flow -X0, pH -XX	3.6	4.2
CR4T010	198 801 556	1.00	Flow -X0, pH -XX	3.6	4.2
CR4T012	198 801 783	1.25	Flow -X0, pH -XX	3.8	4.5
CR4T015	198 801 784	1.50	Flow -X0, pH -XX	4.1	4.8
CR4T020	198 801 785	2.00	Flow -X0, pH -XX	4.9	5.3

- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.

Metals

Flow and pH



2551



2537



2536

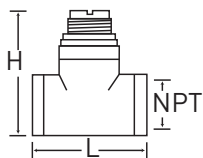


515



272X, 273X

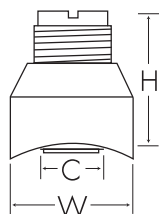
Tee



Brass Threaded Tees with NPT Threads and PVDF insert

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	NPT [in.]	L [in.]	H [in.]
BR4T010	198 801 770	1.00	Flow -X0, pH -XX	1.00	3.36	4.09
BR4T012	198 801 771	1.25	Flow -X0, pH -XX	1.25	3.42	4.42
BR4T015	198 801 772	1.50	Flow -X0, pH -XX	1.50	3.46	4.70
BR4T020	198 801 773	2.00	Flow -X0, pH -XX	2.00	3.68	5.19

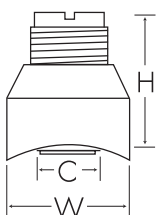
- For use with Flow: P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- PVDF insert - all sizes
- For use with SCH 40 metal pipe (ASTM)
- PTFE wetted material. Contact factory for available options.



Carbon Steel Weld-on Weldolets for use with SCH 40 Metal Pipe (ASTM)

Part No.	Code	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
CS4W025	198 801 464	2.50	Flow -X0, pH-XX	2.60	2.48	1.31
CS4W030	198 801 557	3.00	Flow -X0, pH -XX	2.60	2.47	1.31
CS4W040	198 801 552	4.00	Flow -X0, pH -XX	2.60	2.45	1.31
CS4W050	198 801 465	5.00	Flow -X1	3.50	3.24	2.10
CS4W060	198 801 553	6.00	Flow -X1	3.50	3.11	2.10
CS4W080	198 801 574	8.00	Flow -X1	3.50	2.88	2.10
CS4W100	198 801 575	10.0	Flow -X2	3.50	5.63	2.10
CS4W120	198 801 576	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- PTFE wetted material. Contact factory for available options.



Brass Brazolets with PVDF insert for use with Copper Pipe (SCH 40 ASTM)

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
BR4B025	198 801 794	2.50	Flow -X0, pH-XX	2.50	2.48	1.31
BR4B030	198 801 795	3.00	Flow -X0, pH -XX	2.50	2.47	1.31
BR4B040	198 801 796	4.00	Flow -X0, pH -XX	2.50	2.45	1.31
BR4B050	198 801 797	5.00	Flow -X1	3.50	3.24	2.10
BR4B060	198 801 798	6.00	Flow -X1	3.50	3.11	2.10
BR4B080	198 801 799	8.00	Flow -X1	3.50	2.88	2.10
BR4B100	198 801 800	10.0	Flow -X2	3.50	5.63	2.10
BR4B120	198 801 801	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX
- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- PTFE wetted material. Contact factory for available options.

Metals

Flow and pH



2551



2537



2536

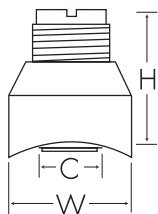


515



272X, 273X

Tee



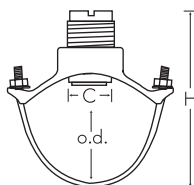
316 SS (1.4401) Weldolets with PVDF Insert for use with SCH 40 Metal Pipe (ASTM)

Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	W [in.]	H [in.]	C [in.]
CR4W025	198 801 786	2.50	Flow -X0, pH -XX	2.50	2.48	1.31
CR4W030	198 801 787	3.00	Flow -X0, pH -XX	2.50	2.47	1.31
CR4W040	198 801 788	4.00	Flow -X0, pH -XX	2.50	2.45	1.31
CR4W050	198 801 789	5.00	Flow -X1	3.50	3.24	2.10
CR4W060	198 801 790	6.00	Flow -X1	3.50	3.11	2.10
CR4W080	198 801 791	8.00	Flow -X1	3.50	2.88	2.10
CR4W100	198 801 792	10.0	Flow -X2	3.50	5.63	2.10
CR4W120	198 801 793	12.0	Flow -X2	3.50	5.40	2.10

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- C - Clearance dimension
- PTFE wetted material. Contact factory for available options.

Iron Strap-on Saddle for use with SCH 80 Metal Pipe (ASTM)



Part No.	Code No.	Size [in.]	Sensor Type-Flow, pH/ORP	H [in.]	o.d. min [in.]	o.d. max [in.]	C [in.]
IR8S020	198 801 425	2.00	Flow -X0, pH -XX	5.5	2.35	2.56	1.44
IR8S025	198 801 426	2.50	Flow -X0, pH -XX	5.5	2.44	2.91	1.44
IR8S030	198 801 427	3.00	Flow -X0, pH -XX	6.5	2.97	3.54	1.44
IR8S040	198 801 420	4.00	Flow -X0, pH -XX	7.5	3.74	4.55	1.44
IR8S050	198 801 429	5.00	Flow -X1	9.0	4.74	5.63	2.25
IR8S060	198 801 430	6.00	Flow -X1	10.5	5.94	6.70	2.25
IR8S080	198 801 431	8.00	Flow -X1	12.0	7.69	8.72	2.25
IR8S100	198 801 432	10.0	Flow -X2	18.0	10.64	12.12	2.25
IR8S120	198 801 433	12.0	Flow -X2	20.0	12.62	14.32	2.25

- For use with Flow: P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX
- For use with pH/ORP: 3-272X-XX, 3-273X-XX

- C - Clearance dimension
- Up to 8 in. - PVDF insert, over 8 in. - PVC insert
- Buna O-ring
- Larger sizes may be available as well as PTFE wetted material. Contact factory.

Metals

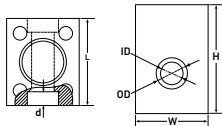
Flow and pH



525

Weld-on mini tap

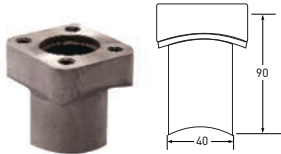
Metalex Socket Weld Mini-Tap (1.4401)



Part No.	Code No.	DN [mm]	Size [in.]	Sensor Type-Flow	o.d. [mm]	d [mm]	i.d. [mm]	o.d. [in.]	d [in.]	i.d. [in.]	L [in.]	W [in.]	H [in.]
P526-2005	198 840 501	15	½	P525-1, -1S	21.8	9.7	15.8	0.85	0.38	0.622	2.4	2.0	3.0
P526-2007	198 840 502	20	¾	P525-1, -1S	27.2	12.7	20.9	1.06	0.50	0.824	2.4	2.0	3.0
P526-2010	198 840 503	25	1	P525-1, -1S	33.8	12.7	26.7	1.33	0.50	1.05	2.4	2.0	3.0

- For use with P525-1 and P525-1S only
- For use with SS pipe

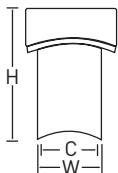
SS Weld-On Fitting (1.4401)



Code No.	DN [mm]	Inch
198 150 346	40-800	1½-30

- For use with P525-2 and P525-2S

Metalex Weld-on Mini-Tap (1.4401)

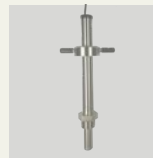


Part No.	Code No.	Size [in.]	Sensor Type-Flow	W [in.]	H [in.]	C [in.]
P526-2012	159 000 494	1¼	P525-2, -2S	1.66	2.25	1.26
P526-2015	198 840 506	1½	P525-2, -2S	1.66	2.20	1.26
P526-2020	159 000 495	2	P525-2, -2S	1.66	2.17	1.26
P526-2025	159 000 496	2½	P525-2, -2S	1.66	2.10	1.26
P526-2030	159 000 497	3	P525-2, -2S	1.66	2.00	1.26
P526-2040	159 000 498	4	P525-2, -2S	1.66	1.95	1.26
P526-2050	159 000 499	5	P525-2, -2S	1.66	1.83	1.26
P526-2060	159 000 500	6	P525-2, -2S	1.66	1.75	1.26
P526-2080	159 000 501	8	P525-2, -2S	1.66	1.56	1.26
P526-2100	159 000 502	10	P525-2, -2S	1.66	1.35	1.26
P526-2120	159 000 503	12	P525-2, -2S	1.66	1.15	1.26

- For use with P525-2 and P525-2S only
- For use with SS pipe
- Gasket Klinger C4401 Thermoseal

Metals

Flow and pH



2552



2540



3719

Saddle

Electrofusion for PE pipes: Transition Saddles with Stainless 1½ Inch Outlet



GFCP Part No.	Part No.	Size [in.]	Sensor Type-Flow, pH/ORP	L [in.]	H [in.]	d [in.]
10004673	360001144	2.0	2552-2	3.6	3.18	N/A
10004686	360001159	3.0	2552-2	4.6	3.18	N/A
10004700	360001174	4.0	2552-2	6.26	3.8	N/A
10004717	360001191	6.0	2552-2	8.68	4.96	N/A
10007761	360001216	8.0	2552-2	5.92	2.96	N/A
-	Special request	10.0	2552-2	Call	Call	N/A
-	Special request	12.0	2552-2	Call	Call	N/A
1½ Inch outlet						
10004676	360001147	2.0	2552-3, 2540-XX, 3719-11	3.6	3.18	N/A
10004689	360001162	3.0	2552-3, 2540-XX, 3719-11	4.6	3.18	N/A
10004703	360001177	4.0	2552-3, 2540-XX, 3719-11	6.26	3.8	N/A
10004720	360001194	6.0	2552-3, 2540-XX, 3719-11	8.68	4.96	N/A
10004743	360001219	8.0	2552-3, 2540-XX, 3719-11	5.92	2.96	N/A
-	Special request	10.0	2552-3, 2540-XX, 3719-11	Call	Call	N/A
-	Special request	12.0	2552-3, 2540-XX, 3719-11	Call	Call	N/A

- Transition saddle with 1¼ FNPT branch/outlet
- Transition saddle with 1½ FNPT branch/outlet

- These fittings are only available from your local Georg Fischer sales office

K-Factors

- K-Factors must be considered as approximate values
- The number of pulses per volumetric unit may vary depending on the medium and the installation
- For optimum performance, the system must be calibrated after installation
- Please contact VG Japan for JIS K-Factors
- Further information can be found on www.gfps.com or in the Georg Fischer Planning Fundamentals



K-Factors for Type 310, PVC-U for Socket Systems metric

		Type 310			K-Factors		
Code No. EPDM	Code No. FKM	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
721 310 006	721 310 036	20	15	Flow -X0	128.45	256.90	546.3
721 310 007	721 310 037	25	20	Flow -X0	64.16	128.32	300.29
721 310 008	721 310 038	32	25	Flow -X0	39.27	78.54	189.31
721 310 009	721 310 039	40	32	Flow -X0	22.49	44.98	117.85
721 310 010	721 310 040	50	40	Flow -X0	13.70	27.40	73.67
721 310 011	721 310 041	63	50	Flow -X0	7.86	15.72	42.1

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX



K-Factors for Type 312, PVC-U Clamp-on Saddle, metric

		Type 312		SDR 21 K-Factors		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
* 198 150 538	75	65	Flow -X0	4.757	9.787	23.729
198 150 539	90	80	Flow -X0	3.525	7.281	17.715
* 198 150 540	110	100	Flow -X0	2.328	4.806	11.743
* 198 150 543	160	150	Flow -X1	1.165	2.394	5.882
198 150 545	225	200	Flow -X1	0.554	1.141	2.845
		Type 312		SDR 13.6 K-Factors		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
198 150 538	75	65	Flow -X0	5.026	10.154	24.370
198 150 539	90	80	Flow -X0	3.800	7.833	19.071
198 150 540	110	100	Flow -X0	2.642	5.454	13.320
198 150 543	160	150	Flow -X1	1.261	2.600	6.401

- * These K-Factors were derived from a formula. To obtain optimal K-Factors, you must calibrate the system.
- For use with P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX



K-Factors for Type 312, PVC-U, Glue-on Saddle, metric

		Type 312		SDR 21 K-Factors		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
* 721 312 012	75	65	Flow -X1	5.479	11.238	27.196
721 312 013	90	80	Flow -X1	3.582	7.394	17.978
* 721 312 014	110	100	Flow -X1	2.267	4.671	11.419
* 721 312 015	125	100	Flow -X1	1.932	3.969	9.690
* 721 312 016	140	125	Flow -X1	1.526	3.137	7.681
* 721 312 017	160	150	Flow -X1	1.165	2.394	5.882
* 721 312 019	200	150	Flow -X1	0.740	1.520	3.762
* 721 312 020	225	200	Flow -X2	0.582	1.196	2.973
* 721 312 021	250	200	Flow -X2	0.469	0.963	2.403
* 721 312 023	315	300	Flow -X2	0.292	0.599	1.513
		Type 312		SDR 13.6 K-Factors		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
721 312 012	75	65	Flow -X1	5.966	12.297	29.791
* 721 312 013	90	80	Flow -X1	3.854	7.953	19.365
* 721 312 014	110	100	Flow -X1	2.402	4.895	11.942
721 312 015	125	100	Flow -X1	2.094	4.317	10.557
721 312 016	140	125	Flow -X1	1.671	3.446	8.457
721 312 017	160	150	Flow -X1	1.261	2.600	6.401

- * These K-Factors were derived from a formula. To obtain optimal K-Factors, you must calibrate the system.
- For use with P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX



K-Factors for Type 310, PROGEF Standard, PP-H for Socket Fusion, metric

		Type 310			K-Factors		
Code No. EPDM	Code No. FKM	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
727 310 006	727 310 036	20	15	Flow -X0	127.23	251.75	579.32
727 310 007	727 310 037	25	20	Flow -X0	73.21	148.77	350.81
727 310 008	727 310 038	32	25	Flow -X0	37.30	77.04	194.76
727 310 009	727 310 039	40	32	Flow -X0	22.07	44.71	119.81
727 310 010	727 310 040	50	40	Flow -X0	13.54	27.45	72.66
727 310 011	727 310 041	63	50	Flow -X0	7.82	16.06	41.45

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX



K-Factors for Type 311, PROGEF Standard, PP-H, Wafer fitting, metric

Code No. EPDM	Code No. FKM	Type 311			K-Factors		
		d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
727 311 012	727 311 042	75	65	Flow -X1	5.69	11.76	28.54
727 311 013	727 311 043	90	80	Flow -X1	3.65	7.49	18.20
727 311 014	727 311 044	110	100	Flow -X1	2.31	4.64	11.25
727 311 015	727 311 045	125	100	Flow -X1	2.06	4.26	10.43
727 311 016	727 311 046	140	125	Flow -X1	1.64	3.39	8.31
727 311 017	727 311 047	160	150	Flow -X1	1.25	2.59	6.37
727 311 018	727 311 048	180	150	Flow -X1	0.99	2.03	5.03
727 311 019	727 311 049	200	200	Flow -X1	0.80	1.64	4.07
727 311 020	727 311 050	225	200	Flow -X1	0.63	1.29	3.22
727 311 021	727 311 051	250	250	Flow -X2	0.51	1.04	2.61
727 311 022	727 311 052	280	250	Flow -X2	0.40	0.83	2.08
727 311 023	727 311 053	315	300	Flow -X2	0.32	0.65	1.64

• For use with P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX/X2-XX



K-Factors for PP-H Installation Fittings Type 312

Code No.	d [mm]	DN [mm]	Sensor Type	SDR 11 K-Factors		
				515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
* 727 312 072	75	65	Flow -X1	6.54	13.46	32.59
727 312 073	90	80	Flow -X1	4.26	8.80	21.42
* 727 312 074	110	100	Flow -X1	2.68	5.49	13.43
* 727 312 075	125	100	Flow -X1	2.33	4.80	11.73
* 727 312 076	140	125	Flow -X1	1.85	3.80	9.31
727 312 077	160	150	Flow -X1	1.40	2.89	7.10
* 727 312 078	180	150	Flow -X2	1.11	2.29	5.65
727 312 079	200	200	Flow -X2	0.88	1.81	4.47
727 312 080	225	200	Flow -X2	0.70	1.45	3.60
727 312 081	250	250	Flow -X2	0.57	1.16	2.91
727 312 082	280	250	Flow -X2	0.44	0.91	2.29
727 312 083	315	300	Flow -X2	0.35	0.72	1.82

* These K-Factors were derived from a formula. To obtain optimal K-Factors, you must calibrate the system.

• For use with P51530-X1/-X2, 3-2536-X1/-X2, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX



K-Factors for Type 318, PROGEF Standard, PP-H for Butt Fusion, metric

Code No. EPDM	Code No. FKM	Type 318			K-Factors		
		d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
727 318 006	727 318 036	20	15	Flow -X0	127.23	251.75	579.32
727 318 007	727 318 037	25	20	Flow -X0	73.21	148.77	350.81
727 318 008	727 318 038	32	25	Flow -X0	37.30	77.04	194.76
727 318 009	727 318 039	40	32	Flow -X0	22.07	44.71	119.81
727 318 010	727 318 040	50	40	Flow -X0	13.54	27.45	72.66
727 318 011	727 318 041	63	50	Flow -X0	7.82	16.06	41.45

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-X0, 3-2551-X0



K-Factors for Type 310, SYGEF Standard for Socket Fusion, metric

Code No.	d [mm]	Type 310		K-Factors		
		DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
735 310 036	20	15	Flow -X0	111.19	218.56	514.26
735 310 037	25	20	Flow -X0	60.28	129.42	305.96
735 310 038	32	25	Flow -X0	36.12	74.92	197.91
735 310 039	40	32	Flow -X0	20.95	41.90	116.12
735 310 040	50	40	Flow -X0	11.49	22.98	65.77
735 310 041	63	50	Flow -X0	6.85	13.31	38.80

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX



K-Factors for SYGEF Standard, Type 311 metric and inch

Code No.	d [mm]	Type 311		K-Factors		
		DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
735 311 042	75	65	Flow -X1	5.25	10.84	26.33
735 311 043	90	80	Flow -X1	3.51	7.18	17.43
735 311 044	110	100	Flow -X1	2.00	3.99	9.65
735 311 045	125	100	Flow -X1	1.82	3.75	9.18
735 311 046	140	125	Flow -X1	1.44	2.97	7.30
735 311 047	160	150	Flow -X1	1.07	2.21	5.44
735 311 049	200	200	Flow -X1	0.68	1.41	3.49
735 311 050	225	200	Flow -X1	0.54	1.10	2.75

- For use with P51530-X1, 3-2536-X1, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX



K-Factors for Type 318 SYGEF Standard for Butt fusion, metric

Code No.	d [mm]	Type 318		K-Factors		
		DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
735 318 036	20	15	Flow -X0	111.19	218.56	514.26
735 318 037	25	20	Flow -X0	60.28	129.42	305.96
735 318 038	32	25	Flow -X0	36.12	74.92	197.91
735 318 039	40	32	Flow -X0	20.95	41.90	116.12
735 318 040	50	40	Flow -X0	11.49	22.98	65.77
735 318 041	63	50	Flow -X0	6.85	13.31	38.80

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX



K-Factors for Type 310, ABS, metric

Code No.	d [mm]	Type 310		K-Factors		
		DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
729 310 007	25	20	Flow -X0	82.12	159.41	337.47
729 310 008	32	25	Flow -X0	42.00	80.05	192.00
729 310 009	40	32	Flow -X0	23.38	43.33	121.26
729 310 010	50	40	Flow -X0	14.08	26.89	70.31
729 310 011	63	50	Flow -X0	7.86	15.76	40.69

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX,



K-Factors for Type 312, ABS Glue-on, metric

Code No.	d [mm]	Type 312		K-Factors		
		DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
729 312 012	75	65	Flow -X1	5.58	11.27	27.57
* 729 312 013	90	80	Flow -X1	3.48	7.14	17.38
* 729 312 014	110	100	Flow -X1	2.29	4.40	10.81
729 312 016	140	125	Flow -X1	1.61	3.19	7.94
729 312 017	160	150	Flow -X1	1.24	2.45	6.12
729 312 019	200	200	Flow -X1	0.78	1.53	3.87
729 312 020	225	200	Flow -X1	0.63	1.22	3.10

* These K-Factors were derived from a formula. To obtain optimal K-Factors, you must calibrate the system.

• For use with P51530-X1, 3-2536-X1, 3-8510-X1, 3-8512-X1, 3-2537-XC-X1, 3-2551-X1-XX



K-Factors for Stainless Steel Installation Fittings Type 314

Code No.	d [mm]	Type 314			K-Factors		
		emin [mm]	emax [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
724 314 000	70.00	2.00	3.00	X0	5.59	11.55	27.98
724 314 000	70.00	3.00	5.00	X0	6.14	12.69	30.76
724 314 000	70.00	5.00	7.00	X0	7.02	14.50	35.15
724 314 000	73.03	5.00	7.00	X0	6.34	13.09	31.74
724 314 000	73.03	7.00	9.00	X0	7.26	14.99	36.35
724 314 000	73.03	9.00	11.00	X0	8.39	17.34	42.04
724 314 000	76.10	2.00	4.00	X0	4.80	9.92	24.06
724 314 000	76.10	4.00	6.00	X0	5.40	11.15	27.06
724 314 000	76.10	6.00	8.00	X0	6.12	12.64	30.66
724 314 000	80.00	2.00	4.00	X0	4.31	8.89	21.59
724 314 000	80.00	4.00	6.00	X0	4.81	9.94	24.13
724 314 000	88.90	2.00	3.00	X0	3.34	6.91	16.80
724 314 000	101.60	2.00	3.00	X0	2.52	5.20	12.67
724 314 000	101.60	3.00	4.00	X0	2.63	5.42	13.21
724 314 000	104.00	2.00	3.00	X0	2.40	4.95	12.07
724 314 000	104.00	3.00	4.00	X0	2.50	5.15	12.57
724 314 000	108.00	2.00	3.00	X0	2.21	4.57	11.15
724 314 000	108.00	3.00	4.00	X0	2.30	4.75	11.59
724 314 000	114.30	2.00	3.00	X0	1.96	4.05	9.90
724 314 000	114.30	3.00	4.00	X0	2.04	4.20	10.27
724 314 000	114.30	4.00	5.00	X0	2.12	4.37	10.67
724 314 000	129.00	2.00	3.00	X0	1.52	3.14	7.69
724 314 000	129.00	3.00	4.00	X0	1.57	3.24	7.95
724 314 000	139.70	2.00	3.00	X0	1.29	2.66	6.52
724 314 000	139.70	3.00	4.00	X0	1.33	2.74	6.72
724 314 000	139.70	4.00	5.00	X0	1.37	2.82	6.92
724 314 000	154.00	2.00	3.00	X0	1.05	2.17	5.33
724 314 000	154.00	3.00	4.00	X0	1.08	2.22	5.47
724 314 000	168.30	2.00	3.00	X0	0.87	1.80	4.44
724 314 000	168.30	3.00	4.00	X0	0.89	1.84	4.55
724 314 000	168.30	4.00	5.00	X0	0.92	1.89	4.66
724 314 001	219.10	2.00	3.00	X1	0.50	1.04	2.58
724 314 001	219.10	3.00	4.00	X1	0.51	1.06	2.63
724 314 001	219.10	4.00	5.00	X1	0.52	1.08	2.68
724 314 001	273.00	2.00	3.00	X1	0.32	0.66	1.65
724 314 001	273.00	3.00	4.00	X1	0.32	0.67	1.67
724 314 001	273.00	4.00	5.00	X1	0.33	0.68	1.70
724 314 001	323.90	3.00	4.00	X1	0.23	0.46	1.18
724 314 001	323.90	4.00	5.00	X1	0.23	0.47	1.19
724 314 001	323.90	5.00	6.00	X1	0.23	0.48	1.21
724 314 001	355.60	2.00	3.00	X1	0.18	0.38	0.96
724 314 001	355.60	3.00	4.00	X1	0.19	0.38	0.97
724 314 001	355.60	4.00	5.00	X1	0.19	0.39	0.99
724 314 002	406.40	2.00	3.00	X2	0.14	0.29	0.74
724 314 002	406.40	3.00	4.00	X2	0.14	0.29	0.74
724 314 002	406.40	4.00	5.00	X2	0.14	0.29	0.75
724 314 002	508.00	2.00	3.00	X2	0.09	0.18	0.47
724 314 002	508.00	3.00	4.00	X2	0.09	0.18	0.47
724 314 002	609.60	2.00	3.00	X2	0.06	0.12	0.32
724 314 002	609.60	3.00	4.00	X2	0.06	0.12	0.33

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX



K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 11; Pipe Series (S) = 5				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	6.58	13.57	32.88
XXX 314 000	90	80	Flow -X0	4.25	8.76	21.34
XXX 314 000	110	100	Flow -X0	2.66	5.41	13.18
XXX 314 000	125	100	Flow -X0	2.30	4.76	11.64
XXX 314 000	140	125	Flow -X0	1.83	3.77	9.25
XXX 314 000	160	150	Flow -X0	1.36	2.79	6.88
XXX 314 000	180	150	Flow -X0	1.10	2.27	5.60
XXX 314 001	200	200	Flow -X1	0.89	1.83	4.54
XXX 314 001	225	200	Flow -X1	0.70	1.44	3.58
XXX 314 001	250	250	Flow -X1	0.56	1.16	2.90
XXX 314 001	280	250	Flow -X1	0.45	0.92	2.31
XXX 314 001	315	300	Flow -X1	0.35	0.72	1.83
XXX 314 001	355	350	Flow -X1	0.27	0.56	1.44
XXX 314 002	400	400	Flow -X2	0.21	0.44	1.13
XXX 314 002	450	500	Flow -X2	0.17	0.34	0.89
XXX 314 002	500	500	Flow -X2	0.14	0.28	0.72
XXX 314 002	560	600	Flow -X2	0.11	0.22	0.58
XXX 314 002	630	600	Flow -X2	0.08	0.17	0.46

K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 17; Pipe Series (S) = 8				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	5.46	11.28	27.38
XXX 314 000	90	80	Flow -X0	3.55	7.29	17.73
XXX 314 000	110	100	Flow -X0	2.24	4.53	11.01
XXX 314 000	125	100	Flow -X0	1.96	4.05	9.92
XXX 314 000	140	125	Flow -X0	1.56	3.22	7.91
XXX 314 000	160	150	Flow -X0	1.19	2.46	6.05
XXX 314 000	180	150	Flow -X0	0.94	1.93	4.78
XXX 314 000	200	200	Flow -X0	0.76	1.56	3.87
XXX 314 000	225	200	Flow -X0	0.60	1.23	3.06
XXX 314 001	250	250	Flow -X1	0.48	0.99	2.47
XXX 314 001	280	250	Flow -X1	0.38	0.78	1.97
XXX 314 001	315	300	Flow -X1	0.30	0.62	1.56
XXX 314 001	355	350	Flow -X1	0.23	0.48	1.23
XXX 314 001	400	400	Flow -X1	0.18	0.38	0.97
XXX 314 001	450	500	Flow -X1	0.14	0.29	0.76
XXX 314 002	500	500	Flow -X2	0.12	0.24	0.62
XXX 314 002	560	600	Flow -X2	0.09	0.19	0.49
XXX 314 002	630	600	Flow -X2	0.07	0.15	0.39

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX

The first 3 numbers are XXX. These fittings are available in the following materials.

721 ---> PVC-U 735 ---> PVDF
 727 ---> PP 753 ---> PE



K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 21 ; Pipe Series (S) = 10				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	5.10	10.55	25.61
XXX 314 000	90	80	Flow -X0	3.32	6.80	16.54
XXX 314 000	110	100	Flow -X0	2.11	4.25	10.33
XXX 314 000	125	100	Flow -X0	1.86	3.84	9.39
XXX 314 000	140	125	Flow -X0	1.48	3.05	7.49
XXX 314 000	160	150	Flow -X0	1.13	2.33	5.74
XXX 314 000	180	150	Flow -X0	0.89	1.83	4.52
XXX 314 000	200	200	Flow -X0	0.72	1.48	3.67
XXX 314 000	225	200	Flow -X0	0.56	1.16	2.90
XXX 314 001	250	250	Flow -X1	0.45	0.94	2.34
XXX 314 001	280	250	Flow -X1	0.36	0.74	1.87
XXX 314 001	315	300	Flow -X1	0.28	0.58	1.48
XXX 314 001	355	350	Flow -X1	0.22	0.46	1.16
XXX 314 001	400	400	Flow -X1	0.17	0.36	0.92
XXX 314 001	450	500	Flow -X1	0.14	0.28	0.72
XXX 314 002	500	500	Flow -X2	0.11	0.22	0.59
XXX 314 002	560	600	Flow -X2	0.09	0.18	0.47
XXX 314 002	630	600	Flow -X2	0.07	0.14	0.37

K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 33 ; Pipe Series (S) = 16				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	4.64	9.59	23.27
XXX 314 000	90	80	Flow -X0	3.03	6.20	15.06
XXX 314 000	110	100	Flow -X0	1.93	3.88	9.42
XXX 314 000	125	100	Flow -X0	1.72	3.55	8.70
XXX 314 000	140	125	Flow -X0	1.37	2.82	6.92
XXX 314 000	160	150	Flow -X0	1.04	2.15	5.29
XXX 314 000	180	150	Flow -X0	0.82	1.69	4.18
XXX 314 000	200	200	Flow -X0	0.66	1.37	3.39
XXX 314 000	225	200	Flow -X0	0.52	1.07	2.68
XXX 314 000	250	250	Flow -X0	0.42	0.87	2.17
XXX 314 001	280	250	Flow -X1	0.33	0.69	1.73
XXX 314 001	315	300	Flow -X1	0.26	0.54	1.37
XXX 314 001	355	350	Flow -X1	0.21	0.42	1.08
XXX 314 001	400	400	Flow -X1	0.16	0.33	0.85
XXX 314 001	450	500	Flow -X1	0.13	0.26	0.67
XXX 314 001	500	500	Flow -X1	0.10	0.21	0.54
XXX 314 002	560	600	Flow -X2	0.08	0.16	0.43
XXX 314 002	630	600	Flow -X2	0.06	0.13	0.34

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX

The first 3 numbers are XXX. These fittings are available in the following materials.

721 --> PVC-U 735 --> PVDF
 727 --> PP 753 --> PE



K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 13.6; Pipe Series (S) = 6.3				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	5.96	12.30	29.84
XXX 314 000	90	80	Flow -X0	3.85	7.92	19.28
XXX 314 000	110	100	Flow -X0	2.42	4.89	11.92
XXX 314 000	125	100	Flow -X0	2.11	4.35	10.65
XXX 314 000	140	125	Flow -X0	1.68	3.46	8.48
XXX 314 000	160	150	Flow -X0	1.28	2.64	6.49
XXX 314 000	180	150	Flow -X0	1.01	2.08	5.13
XXX 314 000	200	200	Flow -X0	0.81	1.67	4.15
XXX 314 001	225	200	Flow -X1	0.64	1.32	3.28
XXX 314 001	250	250	Flow -X1	0.52	1.06	2.66
XXX 314 001	280	250	Flow -X1	0.41	0.84	2.12
XXX 314 001	315	300	Flow -X1	0.32	0.66	1.67
XXX 314 001	355	350	Flow -X1	0.25	0.52	1.32
XXX 314 001	400	400	Flow -X1	0.20	0.40	1.04
XXX 314 002	450	500	Flow -X2	0.15	0.32	0.82
XXX 314 002	500	500	Flow -X2	0.12	0.25	0.66
XXX 314 002	560	600	Flow -X2	0.10	0.20	0.53
XXX 314 002	630	600	Flow -X2	0.08	0.16	0.42

K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 17.6; Pipe Series (S) = 8.3				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	5.38	11.12	27.00
XXX 314 000	90	80	Flow -X0	3.49	7.16	17.41
XXX 314 000	110	100	Flow -X0	2.21	4.45	10.83
XXX 314 000	125	100	Flow -X0	1.94	4.01	9.81
XXX 314 000	140	125	Flow -X0	1.54	3.19	7.82
XXX 314 000	160	150	Flow -X0	1.18	2.43	5.98
XXX 314 000	180	150	Flow -X0	0.93	1.91	4.72
XXX 314 000	200	200	Flow -X0	0.75	1.54	3.83
XXX 314 000	225	200	Flow -X0	0.59	1.21	3.02
XXX 314 001	250	250	Flow -X1	0.48	0.98	2.45
XXX 314 001	280	250	Flow -X1	0.38	0.77	1.95
XXX 314 001	315	300	Flow -X1	0.30	0.61	1.54
XXX 314 001	355	350	Flow -X1	0.23	0.48	1.21
XXX 314 001	400	400	Flow -X1	0.18	0.37	0.96
XXX 314 001	450	500	Flow -X1	0.14	0.29	0.75
XXX 314 002	500	500	Flow -X2	0.11	0.23	0.61
XXX 314 002	560	600	Flow -X2	0.09	0.18	0.49
XXX 314 002	630	600	Flow -X2	0.07	0.14	0.39

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX

The first 3 numbers are XXX. These fittings are available in the following materials.

721 ---> PVC-U 735 ---> PVDF
 727 ---> PP 753 ---> PE



K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 26 ; Pipe Series (S) = 12.5				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	Flow -X0	4.83	9.99	24.25
XXX 314 000	90	80	Flow -X0	3.16	6.47	15.72
XXX 314 000	110	100	Flow -X0	2.00	4.03	9.78
XXX 314 000	125	100	Flow -X0	1.78	3.67	8.99
XXX 314 000	140	125	Flow -X0	1.42	2.92	7.17
XXX 314 000	160	150	Flow -X0	1.08	2.23	5.50
XXX 314 000	180	150	Flow -X0	0.85	1.75	4.33
XXX 314 000	200	200	Flow -X0	0.69	1.41	3.51
XXX 314 000	225	200	Flow -X0	0.54	1.11	2.77
XXX 314 000	250	250	Flow -X0	0.44	0.90	2.25
XXX 314 001	280	250	Flow -X1	0.35	0.71	1.79
XXX 314 001	315	300	Flow -X1	0.27	0.56	1.41
XXX 314 001	355	350	Flow -X1	0.21	0.44	1.11
XXX 314 001	400	400	Flow -X1	0.17	0.34	0.877
XXX 314 001	450	500	Flow -X1	0.13	0.26	0.686
XXX 314 001	500	500	Flow -X1	0.10	0.21	0.561
XXX 314 002	560	600	Flow -X2	0.08	0.17	0.447
XXX 314 002	630	600	Flow -X2	0.06	0.13	0.354

K-Factors for plastic weld on Installation Fittings Type 314

Standard Dimension Ratio (SDR) = 41 ; Pipe Series (S) = 20				K-Factor		
Code No.	d [mm]	DN [mm]	Sensor Type	515/8510 pulse/liter	2536/8512/2537 pulse/liter	2551 pulse/liter
XXX 314 000	75	65	-	-	-	-
XXX 314 000	90	80	-	-	-	-
XXX 314 000	110	100	Flow -X0	1.87	3.76	9.11
XXX 314 000	125	100	Flow -X0	1.68	3.46	8.47
XXX 314 000	140	125	Flow -X0	1.33	2.75	6.75
XXX 314 000	160	150	Flow -X0	1.02	2.10	5.16
XXX 314 000	180	150	Flow -X0	0.80	1.65	4.07
XXX 314 000	200	200	Flow -X0	0.64	1.33	3.29
XXX 314 000	225	200	Flow -X0	0.51	1.04	2.60
XXX 314 000	250	250	Flow -X0	0.41	0.84	2.11
XXX 314 000	280	250	Flow -X0	0.32	0.67	1.68
XXX 314 001	315	300	Flow -X1	0.26	0.52	1.33
XXX 314 001	355	350	Flow -X1	0.20	0.41	1.05
XXX 314 001	400	400	Flow -X1	0.16	0.32	0.82
XXX 314 001	450	500	Flow -X1	0.12	0.25	0.65
XXX 314 001	500	500	Flow -X1	0.10	0.20	0.53
XXX 314 001	560	600	Flow -X1	0.08	0.16	0.42
XXX 314 002	630	600	Flow -X2	0.06	0.12	0.33

- For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX

The first 3 numbers are XXX. These fittings are available in the following materials.

721 ---> PVC-U 735 ---> PVDF
 727 ---> PP 753 ---> PE



Standard Dimension Ratio (SDR) = 11 ; Pipe Series (S) = 5

d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	263.1	405.8	34.79	862.43
90	3-2552-	260.4	403.1	24.22	1238.47
110	3-2552-	256.9	399.6	16.15	1857.96
125	3-2552-	254.2	396.9	12.53	2394.04
140	3-2552-	251.6	394.3	9.95	3013.95
160	3-2552-	248.0	390.7	7.64	3927.02
180	3-2552-	244.5	387.2	6.03	4974.41
200	3-2552-	241.0	383.7	4.88	6145.48
225	3-2552-	236.5	379.3	3.86	7778.94
250	3-2552-	232.2	374.9	3.12	9623.73
280	3-2552-	226.9	369.7	2.48	12077.13
315	3-2552-	220.7	363.5	1.96	15285.11
355	3-2552-	213.7	356.4	1.54	19421.25
400	3-2552-	205.8	348.5	1.22	24658.08
450	3-2552-	196.9	339.7	0.96	31201.46
500	3-2552-	188.1	330.9	0.78	38533.02
560	3-2552-	177.6	320.3	0.62	48372.54
630	3-2552-	165.2	307.9	0.49	61188.47

Standard Dimension Ratio (SDR) = 17 ; Pipe Series (S) = 8

d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	265.0	407.7	29.86	1004.70
90	3-2552-	262.7	405.5	20.71	1448.25
110	3-2552-	259.7	402.5	13.84	2166.95
125	3-2552-	257.5	400.3	10.68	2809.67
140	3-2552-	255.3	398.0	8.51	3524.23
160	3-2552-	252.3	395.0	6.51	4604.95
180	3-2552-	249.3	392.0	5.15	5830.00
200	3-2552-	246.3	389.0	4.17	7199.36
225	3-2552-	242.5	385.2	3.29	9107.05
250	3-2552-	238.8	381.6	2.66	11269.60
280	3-2552-	234.3	377.1	2.12	14131.50
315	3-2552-	229.1	371.8	1.68	17883.56
355	3-2552-	223.0	365.8	1.32	22701.48
400	3-2552-	216.4	359.1	1.04	28863.36
450	3-2552-	208.9	351.6	0.82	36539.47
500	3-2552-	201.4	344.1	0.67	45099.00
560	3-2552-	192.4	335.1	0.53	56595.27
630	3-2552-	181.9	324.6	0.42	71612.16



Standard Dimension Ratio (SDR) = 21 ; Pipe Series (S) = 10

d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	265.7	408.5	28.19	1064.02
90	3-2552-	263.6	406.4	19.55	1534.47
110	3-2552-	260.8	403.5	13.10	2290.68
125	3-2552-	258.7	401.5	10.11	2966.17
140	3-2552-	256.6	399.4	8.06	3722.90
160	3-2552-	253.8	396.5	6.17	4858.70
180	3-2552-	251.0	393.8	4.87	6160.71
200	3-2552-	248.2	390.9	3.95	7600.17
225	3-2552-	244.7	387.4	3.12	9623.73
250	3-2552-	241.3	384.0	2.52	11907.03
280	3-2552-	237.0	379.7	2.01	14915.30
315	3-2552-	232.2	374.9	1.59	18910.54
355	3-2552-	226.6	369.3	1.25	24021.97
400	3-2552-	220.2	362.9	0.98	30468.43
450	3-2552-	213.2	356.0	0.78	38590.21
500	3-2552-	206.2	349.0	0.63	47649.30
560	3-2552-	197.9	340.6	0.50	59803.57
630	3-2552-	188.1	330.9	0.40	75722.28

Standard Dimension Ratio (SDR) = 33 ; Pipe Series (S) = 16

d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	266.8	409.6	26.06	1151.24
90	3-2552-	264.9	407.7	18.09	1658.57
110	3-2552-	262.4	405.1	12.10	2480.31
125	3-2552-	260.5	403.2	9.37	3203.38
140	3-2552-	258.6	401.4	7.45	4024.96
160	3-2552-	256.2	398.9	5.70	5266.15
180	3-2552-	253.6	396.4	4.50	6665.96
200	3-2552-	251.0	393.8	3.65	8212.95
225	3-2552-	248.0	390.7	2.88	10420.52
250	3-2552-	244.8	387.5	2.33	12857.50
280	3-2552-	241.0	383.8	1.86	16136.83
315	3-2552-	236.6	379.4	1.47	20421.44
355	3-2552-	231.6	374.4	1.16	25955.25
400	3-2552-	225.9	368.7	0.91	32939.86
450	3-2552-	219.7	362.5	0.72	41741.55
500	3-2552-	213.4	356.2	0.58	51540.13
560	3-2552-	205.8	348.6	0.46	64621.33
630	3-2552-	197.1	339.8	0.37	81824.55



Standard Dimension Ratio (SDR) = 13.6 ; Pipe Series (S) = 6.3					
d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	264.1	406.8	32.08	935.17
90	3-2552-	261.6	404.4	22.22	1350.21
110	3-2552-	258.4	401.2	14.82	2024.74
125	3-2552-	256.0	398.8	11.46	2617.53
140	3-2552-	253.6	396.3	9.13	3286.33
160	3-2552-	250.4	393.1	6.99	4294.16
180	3-2552-	247.1	389.8	5.53	5429.43
200	3-2552-	243.9	386.7	4.46	6721.56
225	3-2552-	239.8	382.6	3.53	8496.90
250	3-2552-	235.8	378.5	2.86	10499.95
280	3-2552-	231.0	373.7	2.28	13178.71
315	3-2552-	225.3	368.0	1.80	16671.48
355	3-2552-	218.8	361.6	1.42	21191.60
400	3-2552-	211.6	354.3	1.11	26918.09
450	3-2552-	203.5	346.2	0.88	34077.16
500	3-2552-	195.4	338.1	0.71	42079.42
560	3-2552-	185.7	328.4	0.57	52781.75
630	3-2552-	174.4	317.1	0.45	66836.41
Standard Dimension Ratio (SDR) = 17.6 ; Pipe Series (S) = 8.3					
d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	265.1	407.9	29.50	1017.05
90	3-2552-	263.0	405.7	20.40	1470.50
110	3-2552-	260.0	402.7	13.67	2194.15
125	3-2552-	257.8	400.5	10.56	2840.64
140	3-2552-	255.6	398.3	8.42	3564.68
160	3-2552-	252.6	395.3	6.44	4657.81
180	3-2552-	249.7	392.4	5.08	5904.36
200	3-2552-	246.7	389.4	4.12	7281.96
225	3-2552-	243.0	385.8	3.25	9227.89
250	3-2552-	239.3	382.1	2.63	11393.61
280	3-2552-	234.9	377.7	2.10	14305.14
315	3-2552-	229.7	372.5	1.66	18104.95
355	3-2552-	223.9	366.6	1.30	23009.69
400	3-2552-	217.2	359.9	1.03	29210.76
450	3-2552-	209.8	352.6	0.81	36986.20
500	3-2552-	202.5	345.2	0.66	45678.11
560	3-2552-	193.6	336.4	0.52	57313.50
630	3-2552-	183.3	326.0	0.41	72524.32



Standard Dimension Ratio (SDR) = 26 ; Pipe Series (S) = 12.5					
d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-	266.3	409.1	26.98	1112.05
90	3-2552-	264.3	407.1	18.75	1599.80
110	3-2552-	261.7	404.5	12.51	2398.79
125	3-2552-	259.7	402.5	9.68	3099.83
140	3-2552-	257.7	400.5	7.72	3884.55
160	3-2552-	255.0	397.8	5.92	5070.74
180	3-2552-	252.5	395.2	4.66	6438.08
200	3-2552-	249.8	392.5	3.78	7942.48
225	3-2552-	246.5	389.3	2.98	10066.81
250	3-2552-	243.2	385.9	2.42	12420.94
280	3-2552-	239.3	382.0	1.92	15598.77
315	3-2552-	234.6	377.3	1.52	19720.03
355	3-2552-	229.3	372.1	1.20	25071.41
400	3-2552-	223.4	366.1	0.94	31839.17
450	3-2552-	216.8	359.6	0.74	40325.69
500	3-2552-	210.2	353.0	0.60	49792.02
560	3-2552-	202.3	345.1	0.48	62467.85
630	3-2552-	193.0	335.8	0.38	79043.81
Standard Dimension Ratio (SDR) = 41 ; Pipe Series (S) = 20					
d [mm]	Sensor Type	"H Dim -2 Version" mm	"H Dim -3 Version" mm	2552 K-Factor pulse/liter	Factory set 20 mA liter/min
75	3-2552-				
90	3-2552-				
110	3-2552-	263.0	405.7	11.75	2553.36
125	3-2552-	261.1	403.9	9.11	3291.89
140	3-2552-	259.3	402.1	7.26	4130.35
160	3-2552-	256.9	399.7	5.55	5400.86
180	3-2552-	254.6	397.3	4.38	6849.51
200	3-2552-	252.2	394.9	3.55	8461.15
225	3-2552-	249.1	391.9	2.80	10709.89
250	3-2552-	246.0	388.8	2.27	13201.01
280	3-2552-	242.5	385.2	1.81	16583.85
315	3-2552-	238.3	381.0	1.43	21008.27
355	3-2552-	233.5	376.2	1.12	26679.70
400	3-2552-	228.0	370.8	0.89	33880.31
450	3-2552-	222.1	364.8	0.70	42919.99
500	3-2552-	216.0	358.7	0.57	52937.99
560	3-2552-	208.8	351.5	0.45	66460.46
630	3-2552-	200.4	343.1	0.36	84117.54



K-Factors for PVC Tees, SCH 80

Part No.	Code No.	PVC Tees, SCH 80		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
MPV8T005F	159 001 614	0.50	Flow -X0, pH -XX	520.12	1027.1	1027.1	2277.0
MPV8T007F	159 001 615	0.75	Flow -X0, pH -XX	297.52	583.19	583.19	1407.6
MPV8T010F	159 001 616	1.00	Flow -X0, pH -XX	172.07	335.53	335.53	861.17
MPV8T012F	159 001 617	1.25	Flow -X0, pH -XX	91.54	178.79	178.79	464.91
MPV8T015F	159 001 618	1.50	Flow -X0, pH -XX	62.22	121.42	121.42	331.43
MPV8T020F	159 001 619	2.00	Flow -X0, pH -XX	36.32	71.44	71.44	192.89

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX, 3-272X-XX, 3-273X-XX
- NSF



K-Factors for PVC Tees, SCH 80

Part No.	Code No.	PVC Tees, SCH 80		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
MPV8T005	159 001 623	0.50	Flow -X0, pH -XX	520.12	1027.1	1027.1	2277.0
MPV8T007	159 001 624	0.75	Flow -X0, pH -XX	297.52	583.19	583.19	1407.6
MPV8T010	159 001 625	1.00	Flow -X0, pH -XX	172.07	335.53	335.53	861.17
MPV8T012	159 001 626	1.25	Flow -X0, pH -XX	91.54	178.79	178.79	464.91
MPV8T015	159 001 627	1.50	Flow -X0, pH -XX	62.22	121.42	121.42	331.43
MPV8T020	159 001 628	2.00	Flow -X0, pH -XX	36.32	71.44	71.44	192.89

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for CPVC Tees, SCH 80

Part No.	Code No.	CPVC Tees, SCH 80		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
MCPV8T005F	159 001 632	0.50	Flow -X0, pH -XX	520.12	1027.1	1027.1	2277.0
MCPV8T007F	159 001 633	0.75	Flow -X0, pH -XX	297.52	583.19	583.19	1407.6
MCPV8T010F	159 001 634	1.00	Flow -X0, pH -XX	172.07	335.53	335.53	861.17
MCPV8T012F	159 001 635	1.25	Flow -X0, pH -XX	91.54	178.79	178.79	464.91
MCPV8T015F	159 001 636	1.50	Flow -X0, pH -XX	62.22	121.42	121.42	331.43
MCPV8T020F	159 001 637	2.00	Flow -X0, pH -XX	36.32	71.44	71.44	192.89

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for CPVC Tees, SCH 80

Part No.	Code No.	CPVC Tees, SCH 80		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
MCPV8T005	159 001 641	0.50	Flow -X0, pH -XX	520.12	1027.1	1027.1	2277.0
MCPV8T007	159 001 642	0.75	Flow -X0, pH -XX	297.52	583.19	583.19	1407.6
MCPV8T010	159 001 643	1.00	Flow -X0, pH -XX	172.07	335.53	335.53	861.17
MCPV8T012	159 001 644	1.25	Flow -X0, pH -XX	91.54	178.79	178.79	464.91
MCPV8T015	159 001 645	1.50	Flow -X0, pH -XX	62.22	121.42	121.42	331.43
MCPV8T020	159 001 646	2.00	Flow -X0, pH -XX	36.32	71.44	71.44	192.89

- For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for PVC Clamp-on Saddle

		PVC Clamp-on Saddle, SCH 80		SCH 80 K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
PV8S020	159 000 637	2.00	Flow -X0, pH -XX	32.4800	66.7390	66.7390	193.8300
PV8S025	159 000 638	2.50	Flow -X0, pH -XX	21.8330	42.9940	42.9940	138.0100
PV8S030	198 150 577	3.00	Flow -X0, pH -XX	13.5410	26.6520	26.6520	83.8900
PV8S040	198 150 578	4.00	Flow -X1	7.6258	15.0060	15.0060	40.8800
PV8S060	198 150 579	6.00	Flow -X1	4.1623	8.3246	8.3246	22.5300
PV8S080	159 000 639	8.00	Flow -X1	2.3705	5.0164	5.0164	12.5200
PVC Clamp-on Saddle, SCH 40				SCH 40 K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
PV8S020	159 000 637	2.00	Flow -X0, pH -XX	27.3500	54.7000	54.7000	180.0100
PV8S025	159 000 638	2.50	Flow -X0, pH -XX	18.8740	37.1590	37.1590	123.7200
PV8S030	198 150 577	3.00	Flow -X0, pH -XX	12.6380	23.6970	23.6970	75.8100
PV8S040	198 150 578	4.00	Flow -X1	6.7282	13.4560	13.4560	41.8700
PV8S060	198 150 579	6.00	Flow -X1	3.7297	7.4594	7.4594	19.7100
PV8S080	159 000 639	8.00	Flow -X1	2.1527	4.5292	4.5292	11.7300

- For use with P51530-X0/-X1, 3-2536-X0/-X1, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX, 3-272X-XX, 3-273X-XX
- NSF



K-Factors for PVC Glue-on Saddle

		PVC Glue-on Saddle, SCH 80		SCH 80 K-Factors		
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2551 gpm
PV8S100	159 000 695	10.00	Flow -X2	1.5300	3.0600	7.9400
PV8S120	159 000 696	12.00	Flow -X2	1.0600	2.1600	5.7100
PVC Glue-on Saddle, SCH 40				SCH 40 K-Factors		
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2551 gpm
PV8S100	159 000 695	10.00	Flow -X2	1.3500	2.8000	7.4300
PV8S120	159 000 696	12.00	Flow -X2	0.9600	1.9800	5.2300

- For use with P51530-X2, 3-2536-X2, 3-2551-X2-XX



K-Factors for Carbon Steel Threaded Tees with NPT Threads, SCH 40

Part No.	Code No.	Carbon Steel Threaded Tees		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CS4T005	198 801 459	0.50	Flow -X0, pH -XX	370.2000	756.0000	756.0000	1572.6600
CS4T007	198 801 460	0.75	Flow -X0, pH -XX	212.0600	438.6900	438.6900	1086.7300
CS4T010	198 801 461	1.00	Flow -X0, pH -XX	141.1400	286.7800	286.7800	582.3400
CS4T012	198 801 462	1.25	Flow -X0, pH -XX	60.6550	121.2200	121.2200	377.4800
CS4T015	198 801 419	1.50	Flow -X0, pH -XX	45.3500	91.1390	91.1390	267.7900
CS4T020	198 801 463	2.00	Flow -X0, pH -XX	26.7670	54.4680	54.4680	167.8500

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for 316 SS (1.4401) Threaded Tee with NPT Threads and PVDF Insert, SCH 40

Part No.	Code No.	316 SS Threaded Tees		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CR4T005	198 801 554	0.50	Flow -X0, pH -XX	358.9600	734.2000	734.2000	1601.2600
CR4T007	198 801 555	0.75	Flow -X0, pH -XX	202.6100	412.1000	412.1000	937.7800
CR4T010	198 801 556	1.00	Flow -X0, pH -XX	127.1400	252.7000	252.7000	606.1800
CR4T012	198 801 783	1.25	Flow -X0, pH -XX	61.9100	128.1200	128.1200	279.6800
CR4T015	198 801 784	1.50	Flow -X0, pH -XX	40.4100	77.3200	77.3200	147.6500
CR4T020	198 801 785	2.00	Flow -X0, pH -XX	22.3000	45.7800	45.7800	111.9000

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for Galvanized Iron Threaded Tee with NPT Threads and PVDF Insert, SCH 40

Part No.	Code No.	Galvanized Iron Threaded Tee		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
IR4T010	198 801 421	1.00	Flow -X0, pH -XX	104.5400	213.0100	213.0100	558.5000
IR4T012	198 801 422	1.25	Flow -X0, pH -XX	62.9790	127.7500	127.7500	334.4500
IR4T015	198 801 423	1.50	Flow -X0, pH -XX	46.6880	94.4010	94.4010	248.9700
IR4T020	198 801 424	2.00	Flow -X0, pH -XX	29.4590	59.4200	59.4200	146.000

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for Brass Threaded Tee with NPT Threads and PVDF Insert, SCH 40

Part No.	Code No.	Brass Threaded Tee		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
BR4T010	198 801 770	1.00	Flow -X0, pH -XX	104.5400	213.0100	213.0100	582.3400
BR4T012	198 801 771	1.25	Flow -X0, pH -XX	62.9790	127.7500	127.7500	330.5400
BR4T015	198 801 772	1.50	Flow -X0, pH -XX	46.6880	94.4010	94.4010	254.7600
BR4T020	198 801 773	2.00	Flow -X0, pH -XX	29.4590	59.4200	59.4200	157.3600

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for Copper Sweat-on Tee with PVDF Insert

		Copper Sweat-on Tee, SCH K		SCH K K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CUKT005	198 801 687	0.50	Flow -X0, pH -XX	443.2100	917.8400	917.8400	2459.1900
CUKT007	198 801 688	0.75	Flow -X0, pH -XX	212.1600	428.2700	428.2700	1108.0200
CUKT010	198 801 689	1.00	Flow -X0, pH -XX	127.1800	256.4300	256.4300	649.8700
CUKT012	198 801 690	1.25	Flow -X0, pH -XX	88.2180	176.4400	176.4400	422.0300
CUKT015	198 801 691	1.50	Flow -X0, pH -XX	56.9620	115.6900	115.6900	281.4300
CUKT020	198 801 418	2.00	Flow -X0, pH -XX	29.3700	63.3850	63.3850	136.0200
		Copper Sweat-on Tee, SCH L		SCH L K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CUKT005	198 801 687	0.50	Flow -X0, pH -XX	414.4100	858.2200	858.2200	2406.3000
CUKT007	198 801 688	0.75	Flow -X0, pH -XX	191.0900	385.7400	385.7400	1174.7700
CUKT010	198 801 689	1.00	Flow -X0, pH -XX	119.8400	241.6400	241.6400	672.2800
CUKT012	198 801 690	1.25	Flow -X0, pH -XX	85.4510	170.9000	170.9000	402.8400
CUKT015	198 801 691	1.50	Flow -X0, pH -XX	55.1600	112.0300	112.0300	294.9900
CUKT020	198 801 418	2.00	Flow -X0, pH -XX	28.6050	61.7400	61.7400	149.6300

• For use with P51530-X0, 3-2536-X0, 3-8510-X0, 3-8512-X0, 3-2537-XC-X0, 3-2551-X0-XX, 3-272X-XX, 3-273X-XX



K-Factors for 316 SS Weldolets with PVDF Insert, SCH 40

		316 SS Weldolets		K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CR4W025	198 801 786	2.50	Flow -X0, pH -XX	18.8000	37.6000	37.6000	106.3100
CR4W030	198 801 787	3.00	Flow -X0, pH -XX	12.1700	24.3400	24.3400	72.2700
CR4W040	198 801 788	4.00	Flow -X0, pH -XX	6.9600	13.9200	13.9200	36.8400
CR4W050	198 801 789	5.00	Flow -X1	5.2600	10.8600	10.8600	29.2800
CR4W060	198 801 790	6.00	Flow -X1	3.6900	7.5200	7.5200	20.2900
CR4W080	198 801 791	8.00	Flow -X1	2.1300	4.3400	4.3400	11.7300
CR4W100	198 801 792	10.00	Flow -X2	1.3500	2.7600	-	7.4500
CR4W120	198 801 793	12.00	Flow -X2	0.9600	1.9400	-	5.2400

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX, 3-272X-XX, 3-273X-XX



K-Factors for Carbon Steel Weld-on Weldolets, SCH 40

		Carbon Steel Weldolets		K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
CS4W025	198 801 464	2.50	Flow -X0, pH -XX	18.8000	37.6000	37.6000	105.7000
CS4W030	198 801 557	3.00	Flow -X0, pH -XX	12.1700	24.3400	24.3400	70.6800
CS4W040	198 801 552	4.00	Flow -X0, pH -XX	6.9600	13.9200	13.9200	36.3800
CS4W050	198 801 465	5.00	Flow -X1	5.2600	10.8600	10.8600	29.2800
CS4W060	198 801 553	6.00	Flow -X1	3.6900	7.5200	7.5200	20.2900
CS4W080	198 801 574	8.00	Flow -X1	2.1300	4.3400	4.3400	11.7300
CS4W100	198 801 575	10.00	Flow -X2	1.3500	2.7600	-	7.4500
CS4W120	198 801 576	12.00	Flow -X2	0.9600	1.9400	-	5.2400

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX, 3-272X-XX, 3-273X-XX



K-Factors for Brass Brazolet with PVDF Insert for Use with Copper Pipe, SCH 40

Part No.	Code No.	Brass Brazolet		K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
BR4B025	198 801 794	2.50	Flow -X0, pH -XX	18.8000	37.6000	37.6000	117.3100
BR4B030	198 801 795	3.00	Flow -X0, pH -XX	12.1700	24.3400	24.3400	78.6200
BR4B030	198 801 796	4.00	Flow -X0, pH -XX	6.9600	13.9200	13.9200	45.1300
BR4B050	198 801 797	5.00	Flow -X1	5.2600	10.8600	10.8600	32.7900
BR4B060	198 801 798	6.00	Flow -X1	3.6900	7.5200	7.5200	22.7300
BR4B080	198 801 799	8.00	Flow -X1	2.1300	4.3400	4.3400	13.1400
BR4B100	198 801 800	10.00	Flow -X2	1.3500	2.7600	-	8.3400
BR4B120	198 801 801	12.00	Flow -X2	0.9600	1.9400	-	5.8700

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX, 3-272X-XX, 3-273X-XX



K-Factors for Iron Strap-on Saddle

Part No.	Code No.	Iron Strap-on Saddle, SCH 80		SCH 80 K-Factors			
		Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
IR8S020	198 801 425	2.00	Flow -X0, pH -XX	32.3600	64.7200	64.7200	194.8500
IR8S025	198 801 426	2.50	Flow -X0, pH -XX	22.2200	42.4800	42.4800	142.2800
IR8S030	198 801 427	3.00	Flow -X0, pH -XX	13.4200	26.4200	26.4200	87.5300
IR8S040	198 801 420	4.00	Flow -X0, pH -XX	7.6600	14.7000	14.7000	40.6200
IR8S050	198 801 429	5.00	Flow -X1	5.8600	12.1800	12.1800	29.2800
IR8S060	198 801 430	6.00	Flow -X1	4.0900	8.4400	8.4400	22.3000
IR8S080	198 801 431	8.00	Flow -X1	2.3300	4.9000	4.9000	12.5200
IR8S100	198 801 432	10.00	Flow -X2	1.5300	3.0600	-	7.9400
IR8S120	198 801 433	12.00	Flow -X2	1.0600	2.1600	-	5.6500
		Iron Strap-on Saddle, SCH 40		SCH 40 K-Factors			
Part No.	Code No.	Pipe Size [inch]	Sensor Type	515/8510 gpm	2536/8512 gpm	2537 gpm	2551 gpm
IR8S020	198 801 425	2.00	Flow -X0, pH -XX	26.8200	53.6400	53.6400	185.3500
IR8S025	198 801 426	2.50	Flow -X0, pH -XX	18.8000	37.6000	37.6000	127.4700
IR8S030	198 801 427	3.00	Flow -X0, pH -XX	11.9900	23.2200	23.2200	76.6200
IR8S040	198 801 420	4.00	Flow -X0, pH -XX	6.8500	13.2600	13.2600	40.2300
IR8S050	198 801 429	5.00	Flow -X1	5.3300	11.0400	11.0400	27.3200
IR8S060	198 801 430	6.00	Flow -X1	3.7600	7.2400	7.2400	19.7100
IR8S080	198 801 431	8.00	Flow -X1	2.1300	4.4000	4.4000	11.6100
IR8S100	198 801 432	10.00	Flow -X2	1.3500	2.8000	-	7.3600
IR8S120	198 801 433	12.00	Flow -X2	0.9600	1.9800	-	5.1800

• For use with P51530-X0/-X1/-X2, 3-2536-X0/-X1/-X2, 3-8510-X0/-X1, 3-8512-X0/-X1, 3-2537-XC-X0/-X1, 3-2551-X0-XX/-X1-XX/-X2-XX, 3-272X-XX, 3-273X-XX



K-Factors for Metalex Weld-on Mini-Tap, SCH 40

Part No.	Code No.	Metalex Weld-on Mini-Tap		K-Factors
		Pipe Size [inch]	Sensor Type	525 gpm
P526-2012	159 000 494	1.25	P525-2, P525-2S	148.8400
P526-2015	159 000 506	1.50	P525-2, P525-2S	107.9800
P526-2020	159 000 495	2.00	P525-2, P525-2S	64.8080
P526-2025	159 000 496	2.50	P525-2, P525-2S	44.6850
P526-2030	159 000 497	3.00	P525-2, P525-2S	28.5790
P526-2040	159 000 498	4.00	P525-2, P525-2S	16.3020
P526-2050	159 000 499	5.00	P525-2, P525-2S	10.2370
P526-2060	159 000 500	6.00	P525-2, P525-2S	7.0057
P526-2080	159 000 501	8.00	P525-2, P525-2S	3.9641
P526-2100	159 000 502	10.00	P525-2, P525-2S	2.4690
P526-2120	159 000 503	12.00	P525-2, P525-2S	1.6894

• For use with P525-2 and P525-2S only



K-Factors for Metalex Socket Weld Mini-Tap, SCH 40

Part No.	Code No.	Metalex Socket Weld Mini-Tap		K-Factors
		Pipe Size [inch]	Sensor Type	525 gpm
P526-2005	198 840 501	0.50	P525-1, P525-1S	873.0300
P526-2007	198 840 502	0.75	P525-1, P525-1S	515.4100
P526-2010	198 840 503	1.00	P525-1, P525-1S	266.1700

• For use with P525-1 and P525-1S only

Union Ends

d	DN	PVC-C Socket	PE 80 Socket	PE 100 Butt	PP-R Butt
20	15	723600106	734600106	753608616	728608506
25	20	723600107	734600107	753608617	728608507
32	25	723600108	734600108	753608618	728608508
40	32	723600109	734600109	753608619	728608509
50	40	723600110	734600110	753608620	728608510
63	50	723600111	734600111	753608621	728608511

To install these union ends, please select an installation T-fitting in PVC-U, PP, PVDF and replace the original union end.



K-Factors for 3-2552-1X - X - XX and 3-2552-2X - X - XX Magmeters

Pipe Size (ANSI)	Schedule	OD (Inches)	WALL (Inches)	ID (Inches)	H Dim -1 Version	H Dim -2 Version	K-Factor Pulse/Gal	Factory set 20 mA (GPM)
					Inch	Inch		
2	40	2.375	0.15	2.07	8 16/32	10 16/32	174.83	171.6
	80	2.375	0.22	1.94	8 15/32	10 15/32	198.68	151.0
2½	40	2.875	0.20	2.47	8 14/32	10 14/32	122.54	244.8
	80	2.875	0.28	2.32	8 12/32	10 12/32	138.42	216.7
3	40	3.500	0.22	3.07	8 12/32	10 12/32	79.36	378.0
	80	3.500	0.30	2.90	8 10/32	10 9/32	88.82	337.8
3½	40	4.000	0.23	3.55	8 10/32	10 10/32	59.34	505.6
	80	4.000	0.32	3.36	8 8/32	10 8/32	66.01	454.5
4	40	4.500	0.24	4.03	8 8/32	10 8/32	46.09	651.0
	80	4.500	0.34	3.83	8 6/32	10 5/32	51.03	587.9
5	40	5.563	0.26	5.05	8 4/32	10 4/32	29.33	1023
	80	5.563	0.38	4.81	8	10	32.25	930.4
6	40	6.625	0.28	6.07	8	10	20.31	1477
	80	6.625	0.43	5.76	7 28/32	9 28/32	22.51	1333
8	40	8.625	0.32	7.98	7 24/32	9 24/32	11.73	2558
	80	8.625	0.50	7.63	7 20/32	9 20/32	12.85	2335
10	40	10.75	0.37	10.0	7 16/32	9 16/32	7.440	4032
	80	10.75	0.59	9.56	7 11/32	9 11/32	8.170	3672
12	STD	12.75	0.38	12.0	7 10/32	9 10/32	5.187	5783
	XHY	12.75	0.50	11.8	7 7/32	9 6/32	5.410	5545
14	30	14.00	0.38	13.3	7 6/32	9 6/32	4.255	7051
	XHY	14.00	0.50	13.0	7 3/32	9 3/32	4.420	6787
16	30	16.00	0.38	15.3	7	9	3.212	9340
	40/XHY	16.00	0.50	15.0	6 28/32	8 28/32	3.320	9036
18	STD	18.00	0.38	17.3	6 25/32	8 25/32	2.510	11950
	XHY	18.00	0.50	17.0	6 22/32	8 22/32	2.585	11610
20	20/STD	20.00	0.38	19.3	6 18/32	8 19/32	2.016	14880
	30/XHY	20.00	0.50	19.0	6 16/32	8 16/32	2.069	14500
22	20/STD	22.00	0.38	21.3	6 12/32	8 12/32	1.654	18136
	30/XHY	22.00	0.50	21.0	6 9/32	8 9/32	1.694	17711
24	20/STD	24.00	0.38	23.3	6 6/32	8 6/32	1.382	21710
	XHY	24.00	0.50	23.0	6 3/32	8 3/32	1.412	21246



K-Factors for 3-2552-1X - X - XX and 3-2552-2X - X - XX Magmeters

Pipe Size (ANSI)	Schedule	OD (Inches)	WALL (Inches)	ID (Inches)	H Dim	H Dim	K-Factor Pulse/Gal	Factory set 20 mA (GPM)
					-1 Version	-2 Version		
					Inch	Inch		
26	STD	26	0.38	25.25	6	8	1.172	25606
	20/XHY	26	0.50	25.00	5 28/32	7 28/32	1.195	25101
28	STD	28	0.38	27.25	5 25/32	7 25/32	1.006	29823
	20/XHY	28	0.50	27.00	5 22/32	7 22/32	1.025	29278
30	STD	30	0.38	29.25	5 19/32	7 19/32	0.873	34361
	20/XHY	30	0.50	29.00	5 16/32	7 16/32	0.888	33776
32	STD	32	0.38	31.25	5 12/32	7 12/32	0.765	39220
	20/XHY	32	0.50	31.00	5 9/32	7 9/32	0.777	38595
34	STD	34	0.38	33.25	5 6/32	7 6/32	0.676	44401
	20/XHY	34	0.50	33.00	5 3/32	7 3/32	0.686	43736
36	STD	36	0.38	35.25	5	7	0.601	49903
	20/XHY	36	0.50	35.00	4 28/32	6 28/32	0.610	49198
38	STD	38	0.38	37.25	4 25/32	6 25/32	0.538	55727
	XHY	38	0.50	37.00	4 22/32	6 22/32	0.546	54981
40	STD	40	0.38	39.25	4 19/32	6 19/32	0.485	61872
	XHY	40	0.50	39.00	4 16/32	6 16/32	0.491	61086
42	STD	42	0.38	41.25	4 12/32	6 12/32	0.439	68338
	XHY	42	0.50	41.00	4 9/32	6 9/32	0.444	67512
48	STD	48	0.38	47.25	3 25/32	5 25/32	0.335	89664
	XHY	48	0.50	47.00	3 22/32	5 22/32	0.338	88717
54	STD	54.00	0.38	53.25	3 6/32	5 6/32	0.2634	113881
	XHY	54.00	0.50	53.00	3 3/32	5 3/32	0.2659	112814
60	STD	60.00	0.38	59.25	2 19/32	4 19/32	0.2128	140990
	XHY	60.00	0.50	59.00	2 15/32	4 16/32	0.2146	139802
66	STD	66.00	0.38	65.25	1 31/32	4	0.1754	170991
	XHY	66.00	0.50	65.00	1 28/32	3 29/32	0.1768	169683
72	STD	72.00	0.38	71.25	1 12/32	3 13/32	0.1471	203883
	XHY	72.00	0.50	71.00	1 9/32	3 10/32	0.1482	202455
78	STD	78.00	0.38	77.25	25/32	2 26/32	0.1252	239667
	XHY	78.00	0.50	77.00	22/32	2 22/32	0.1260	238119
84	STD	84.00	0.38	83.25	6/32	2 6/32	0.1078	278343
	XHY	84.00	0.50	83.00	3/32	2 3/32	0.1084	276674
90	STD	90.00	0.375	89.25		1 19/32	0.0938	319910
	XHY	90.00	0.500	89.00		1 16/32	0.0943	318120
96	STD	96.00	0.375	95.25		1	0.0823	364369
	XHY	96.00	0.500	95.00		29/32	0.0828	362459
102	STD	102.00	0.38	101.25		13/32	0.0729	411720
	XHY	102.00	0.50	101.00		10/32	0.0732	409690
108	STD	108.00	0.38					
	XHY	108.00	0.50					
120	STD	120.00	0.38					
	XHY	120.00	0.50					
144	STD	144.00	0.38					
	XHY	144.00	0.50					



K-Factors for 3-2552-3X - X - XX Magmeters

Pipe Size (ANSI)	Schedule	OD (Inches)	WALL (Inches)	ID (Inches)	H Dim mm -3X Version	K-Factor Pulse/Gal	Factory set 20 mA (GPM)
					Inch		
2	40	2.375	0.15	2.07	16 5/32	174.83	171.6
	80	2.375	0.22	1.94	16 3/32	198.68	151.0
2½	40	2.875	0.20	2.47	16	122.54	244.8
	80	2.875	0.28	2.32	16	138.42	216.7
3	40	3.500	0.22	3.07	15 31/32	79.36	378.0
	80	3.500	0.30	2.90	15 29/32	88.82	337.8
3½	40	4.000	0.23	3.55	15 29/32	59.34	505.6
	80	4.000	0.32	3.36	15 27/32	66.01	454.5
4	40	4.500	0.24	4.03	15 28/32	46.09	651.0
	80	4.500	0.34	3.83	15 25/32	51.03	587.9
5	40	5.563	0.26	5.05	15 24/32	29.33	1023
	80	5.563	0.38	4.81	15 21/32	32.25	930.4
6	40	6.625	0.28	6.07	15 20/32	20.31	1477
	80	6.625	0.43	5.76	15 16/32	22.51	1333
8	40	8.625	0.32	7.98	15 12/32	11.73	2558
	80	8.625	0.50	7.63	15 8/32	12.85	2335
10	40	10.75	0.37	10.0	15 4/32	7.440	4032
	80	10.75	0.59	9.56	14 30/32	8.170	3672
12	STD	12.75	0.38	12.0	14 30/32	5.187	5783
	XHY	12.75	0.50	11.8	14 26/32	5.410	5545
14	30	14.00	0.38	13.3	14 26/32	4.255	7051
	XHY	14.00	0.50	13.0	14 22/32	4.420	6787
16	30	16.00	0.38	15.3	14 19/32	3.212	9340
	40/XHY	16.00	0.50	15.0	14 16/32	3.320	9036
18	STD	18.00	0.38	17.3	14 13/32	2.510	11950
	XHY	18.00	0.50	17.0	14 10/32	2.585	11610
20	20/STD	20.00	0.38	19.3	14 6/32	2.016	14880
	30/XHY	20.00	0.50	19.0	14 3/32	2.069	14500
22	20/STD	22.00	0.38	21.3	14	1.654	18136
	30/XHY	22.00	0.50	21.0	13 29/32	1.694	17711
24	20/STD	24.00	0.38	23.3	13 26/32	1.382	21710
	XHY	24.00	0.50	23.0	13 22/32	1.412	21246



K-Factors for 3-2552-3X - X - XX Magmeters

Pipe Size (Inch)	Schedule	OD (Inches)	WALL (Inches)	ID (Inches)	H Dim mm -3X Version	K-Factor Pulse/Gal	Factory set 20 mA (GPM)
					Inch		
26	STD	26	0.38	25.25	13 19/32	1.172	25606
	20/XHY	26	0.50	25.00	13 16/32	1.195	25101
28	STD	28	0.38	27.25	13 13/32	1.006	29823
	20/XHY	28	0.50	27.00	13 10/32	1.025	29278
30	STD	30	0.38	29.25	13 6/32	0.873	34361
	20/XHY	30	0.50	29.00	13 3/32	0.888	33776
32	STD	32	0.38	31.25	13	0.765	39220
	20/XHY	32	0.50	31.00	12 29/32	0.777	38595
34	STD	34	0.38	33.25	12 26/32	0.676	44401
	20/XHY	34	0.50	33.00	12 22/32	0.686	43736
36	STD	36	0.38	35.25	12 19/32	0.601	49903
	20/XHY	36	0.50	35.00	12 16/32	0.610	49198
38	STD	38	0.38	37.25	12 13/32	0.538	55727
	XHY	38	0.50	37.00	12 10/32	0.546	54981
40	STD	40	0.38	39.25	12 6/32	0.485	61872
	XHY	40	0.50	39.00	12 3/32	0.491	61086
42	STD	42	0.38	41.25	12	0.439	68338
	XHY	42	0.50	41.00	11 29/32	0.444	67512
48	STD	48	0.38	47.25	11 13/32	0.335	89664
	XHY	48	0.50	47.00	10 26/32	0.338	88717
54	STD	54.00	0.38	53.25	10 22/32	0.2634	113881
	XHY	54.00	0.50	53.00	10 6/32	0.2659	112814
60	STD	60.00	0.38	59.25	10 3/32	0.2128	140990
	XHY	60.00	0.50	59.00	9 19/32	0.2146	139802
66	STD	66.00	0.38	65.25	9 16/32	0.1754	170991
	XHY	66.00	0.50	65.00	9	0.1768	169683
72	STD	72.00	0.38	71.25	8 29/32	0.1471	203883
	XHY	72.00	0.50	71.00	8 13/32	0.1482	202455
78	STD	78.00	0.38	77.25	8 10/32	0.1252	239667
	XHY	78.00	0.50	77.00	7 26/32	0.1260	238119
84	STD	84.00	0.38	83.25	7 22/32	0.1078	278343
	XHY	84.00	0.50	83.00	7 6/32	0.1084	276674
90	STD	90.00	0.375	89.25	7 3/32	0.0938	319910
	XHY	90.00	0.500	89.00	6 19/32	0.0943	318120
96	STD	96.00	0.375	95.25	6 16/32	0.0823	364369
	XHY	96.00	0.500	95.00	6	0.0828	362459
102	STD	102.00	0.38	101.25	5 29/32	0.0729	411720
	XHY	102.00	0.50	101.00	10/32	0.0732	409690

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