

pvdf-uhp pipes and fittings - metric sizes

AGRU high purity pipes, fittings and valves are produced on dedicated production lines separated from all other manufacturing areas. Precise controls on manufacturing and thorough testing ensures that minimal contamination levels are not exceeded.

Pipes are carefully cut to length without producing swarf, capped off and packed to prevent dust contamination. Fittings and valves are thoroughly washed then double bagged to ensure they arrive on site free from any contamination.

Fittings are available in socket fusion or fusion spigot forms. The fusion spigot fittings are particularly suitable for high purity applications, as special welding techniques (HPF electrofusion or infra-red) permit joints to be made with minimal contamination.



Pipe

SDR 33/S-16/PN10

Size	Wall (mm)	kg/m	Code	Price/m
20	-	-	-	-
25	-	-	-	-
32	-	-	-	-
40	-	-	-	-
50	-	-	-	-
63	-	-	-	-
75	-	-	-	-
90	2.8	1.48	35 705 0090 33	137.75
110	3.4	2.20	35 705 0110 33	205.01
125	3.9	2.84	35 705 0125 33	364.75
140	4.3	3.52	35 705 0140 33	328.17
160	4.9	4.54	35 705 0160 33	422.55
180	5.5	5.74	35 705 0180 33	534.65
200	6.2	7.19	35 705 0200 33	669.59
225	6.9	8.95	35 705 0225 33	833.30
250	7.7	11.09	35 705 0250 33	1032.40
280	8.6	13.86	35 705 0280 33	1290.51
315	9.7	17.55	35 705 0315 33	1634.16

SDR 21/S-10/PN16

Wall (mm)	kg/m	Code	Price/m
1.9	0.21	35 705 0020 21	19.62
1.9	0.27	35 705 0025 21	25.07
2.4	0.44	35 705 0032 21	41.07
2.4	0.55	35 705 0040 21	51.18
3.0	0.85	35 705 0050 21	79.36
3.0	1.09	35 705 0063 21	101.48
3.6	1.55	35 705 0075 21	144.40
4.3	2.22	35 705 0090 21	207.23
5.3	3.32	35 705 0110 21	309.72
6.0	4.24	35 705 0125 21	394.55
6.7	5.31	35 705 0140 21	494.82
7.7	6.96	35 705 0160 21	648.22
8.6	8.74	35 705 0180 21	814.14
9.6	10.83	35 705 0200 21	999.96
10.8	13.67	35 705 0225 21	1272.81
11.9	16.73	35 705 0250 21	1557.46
13.4	21.30	35 705 0280 21	1988.13
-	-	-	-

Standard length 5 metres.



Pipework Support

PVDF pipework requires more support than for metallic systems. As working temperature increases, the distance between supports is reduced.

PN10 Pipe Size	Support Centres/m			
	20°C	60°C	100°C	140°C
16	0.85	0.75	0.65	0.55
20	0.95	0.80	0.70	0.60
25	1.00	0.90	0.80	0.70
32	1.10	0.95	0.85	0.75
40	1.25	1.10	0.95	0.80
50	1.40	1.20	1.10	0.95
63	1.50	1.30	1.15	1.00
75	1.65	1.40	1.25	1.10
90	1.80	1.55	1.35	1.20
110	2.00	1.75	1.55	1.30

Temperature De-Rating factors

Pressure ratings for PVDF pipework systems are always quoted at 20°C. As working temperature increases, the maximum working pressure decreases by the factor indicated.

For short term operating temperatures not listed, please enquire.

Working Temperature (C)	Pressure De-Rating Factor
20	1.00
30	0.90
40	0.82
50	0.74
60	0.66
70	0.56
80	0.51
90	0.44
100	0.39
110	0.34
120	0.29
130	0.24
140	0.19

HPF Electrofusion Socket



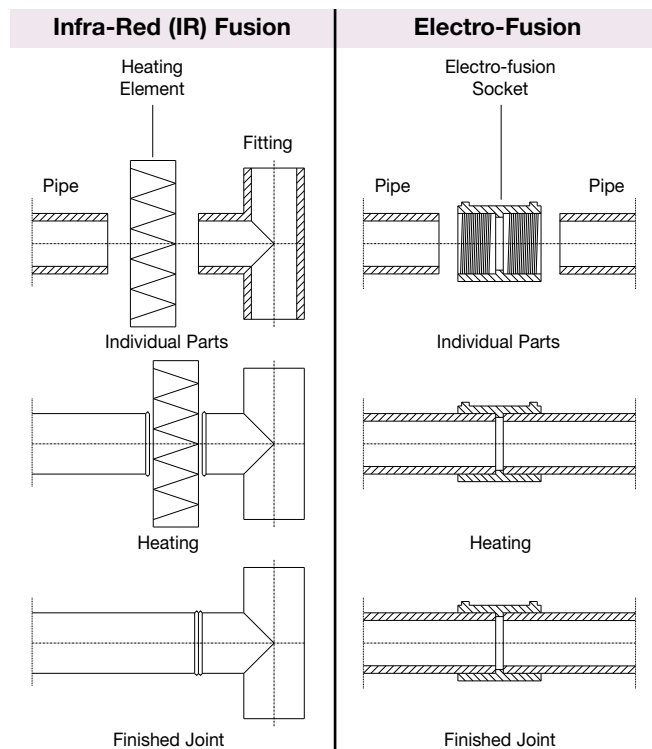
Size	Code	Price
20	35073 0020 21	12.09
25	35073 0025 21	12.45
32	35073 0032 21	13.79
40	35073 0040 21	15.04
50	35073 0050 21	16.08
63	35073 0063 21	20.65



HPF 400 Electrofusion Welding Equipment - available for sale or hire.

Jointing PVDF Systems

PVDF-UHP pipe to pipe and pipe to fitting joints are easy to make, using IR fusion or electrofusion welds, with or without a balloon.



Welding equipment is available for sale or hire. See Tools and Installation Equipment. Detailed installation instructions, as well as free training, is available on request.