

HENGYI
— 恒屹新材料 —

한국대리점 / The Sole Distributor for Korea



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Welcome To

Shandong Hengyi New

Material Technology

Co., Ltd

Your reliable partner in fluoropolymer field.



PVDF Pipe System Catalogue

01

Pipe



02

Fitting



03

Valve



04

Butt Welding
Fitting



The components of the PVDF piping system are made of pure PVDF raw materials.

Has the following properties: corrosion resistance, good physical and mechanical properties, good durability, better isolation and etc.

Part 01 PVDF Pipe



PVDF Pipe Specification Table

Specification	Liner		SDR 33 PN10 S-10		SDR 21 PN16 S-10		
	Out Diameter (mm)	Wall Thickness (mm)	Weight (kg/m)	Wall Thickness (mm)	Weight (kg/m)	Wall Thickness (mm)	Weight (kg/m)
20					1.9	0.21	
25					1.9	0.27	
32					2.4	0.44	
40					2.4	0.55	
50					3	0.85	
63		2.5	0.93	2.5	0.93	3	1.09
75					3.6	1.55	
90				2.8	1.48	4.3	2.22
110		3.0	1.94	3.4	2.2	5.3	3.32
125				3.9	2.84	6.0	4.24
140		3.0	2.49	4.3	3.52	6.7	5.31
160		3.0	2.85	4.9	4.54	7.7	6.96
180				5.5	5.74	8.6	8.74
200		3.0	3.58	6.2	7.19	9.6	10.74
225				6.9	8.95	10.8	13.67
250		3.0	4.48	7.7	11.09	11.9	16.73
280				8.6	13.86	13.4	21.11
315		4.0	7.47	9.7	17.55		
355		4.0	8.43	10.9	22		
400		5.0	11.81	12.3	28.03		

For other specification, please contact us in details.

Part 02 PVDF Fitting Elbow



PVDF Elbow						
Dimension	da(OD) mm	dsp mm	t mm	k mm	p bar	Weight
16	16	24	14.50	10	20	0.02
20	20	29	16.00	15	20	0.04
25	25	35	18.00	15	20	0.07
32	32	43	19.50	21	20	0.10
40	40	52	21.50	25	20	0.16
50	50	64	24.50	30	20	0.27
63	63	81	28.00	35	20	0.48
75	75	92	32.50	39	20	0.59
90	90	113	35.50	44	20	1.08
110	110	133	41.50	53	20	1.57

PVDF Fitting

Tee



PVDF Tee

Dimension	da(OD)m m	l mm	dsp mm	t mm	k mm	p bar	Weight
16	16	54	24	14.50	12.50	20	0.04
20	20	60	29	16.00	14.50	20	0.04
25	25	68	35	17.50	16.50	20	0.07
32	32	80	43	19.50	20.50	20	0.13
40	40	94	52	21.50	25.50	20	0.18
50	50	108	64	23.50	30.00	20	0.34
63	63	125	81	29.00	35.50	20	0.59
75	75	153	92	34.50	42.00	20	0.76
90	90	183	113	38.00	53.50	20	1.49
110	110	208	133	42.50	61.50	20	1.98

PVDF Fitting Coupling



PVDF Coupling

Dimension	da(OD) mm	l mm	dsp mm	t mm	k mm	p bar	Weight
16	16	33	24	14.50	4	20	0.02
20	20	35	29	15.50	4	20	0.03
25	25	39	35	17.50	4	20	0.03
32	32	43	43	19.5	4	20	0.06
40	40	47	52	21.00	5	20	0.07
50	50	52	64	23.50	6	20	0.13
63	63	60	81	28.00	4	20	0.23
75	75	70	92	32.50	5	20	0.29
90	90	78	113	36.50	5	20	0.56
110	110	90	133	42.50	5	20	0.76

PVDF Male Coupling

Specification Table

Dimension	da(OD) mm	l mm	l2 mm	sw mm	r mm	dsp mm	Weight
20	20	51	20	27.50	0.75	25	0.02
25	25	61	24	39.50	1.00	35	0.05
32	32	66	27	45.50	1.25	40	0.07
40	40	74	29	60.00	1.50	50	0.12
50	50	78	31	71.00	2.00	63	0.18



PVDF Female Coupling



Specification Table

Dimension	da(OD) mm	l mm	l2 mm	sw mm	r mm	dsp mm	Weight
16	16	45.00	16	30	1.25	29.50	0.03
20	20	45.00	16	32	0.50	29.50	0.04
25	25	50.50	18	41	0.75	35.00	0.06
32	32	57.00	20	46	1.00	42.50	0.09
40	40	62.50	24	55	1.25	52.00	0.15
50	50	68.00	26	70	1.50	64.00	0.22
63	63	74.00	30	85	2.00	80.00	0.40

PVDF Fitting Union



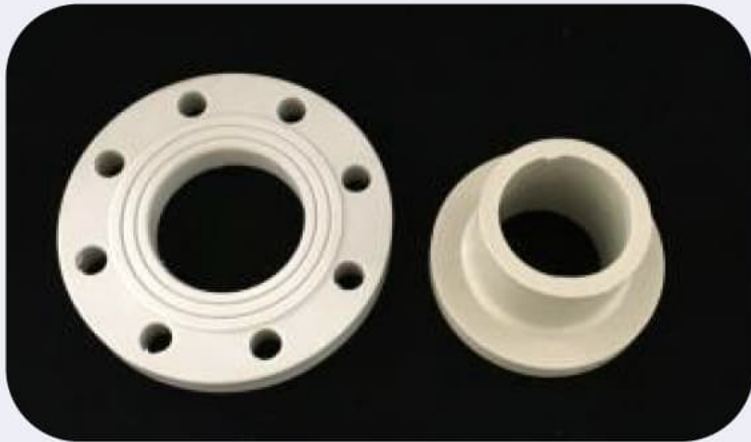
PVDF Union

Dimension	da(OD) mm	l mm	d mm	b mm	dsp mm	t mm	Weight
20	20	45	47	24	27.30	16.00	0.06
25	25	49	57	26	35.70	18.00	0.10
32	32	53	64	30	41.30	20.00	0.14
40	40	59	78	31	52.80	22.00	0.22
50	50	67	89	35	58.60	24.50	0.28
63	63	79	109	39	73.60	29.00	0.40

PVDF Fitting — Flange



Flange



We also have **lap joint flange**

PVDF Flange						
Inside Nominal Diameter DN	D	D1	D2	L	Z	N- \emptyset
15	27	95	64	25	15	4- \emptyset 14
20	32	105	75	82	16	4- \emptyset 14
25	41	115	85	32	18	4- \emptyset 14
32	50	140	100	34	19	4- \emptyset 18
40	62	150	110	39	20	4- \emptyset 18
50	77	165	125	45	23	4- \emptyset 18
65	92	185	145	52	24	4- \emptyset 18
80	107	200	160	60	30	4- \emptyset 18
100	127	220	180	71	30	8- \emptyset 18
125	160	249	208	86	33	8- \emptyset 18
150	180	285	240	96	34	8- \emptyset 22

For other specification, please contact us in details.

PVDF Fitting Reducer



PVDF Reducer

Dimension	da(OD) mm	da1(OD1) mm	l mm	dsp mm	t mm	p bar	Weight
25/36	25	16	40	24	15.00	20	0.02
25/20	25	20	40	29	15.70	20	0.02
32/20	32	20	44	29	15.50	20	0.03
32/25	32	25	44	35	17.60	20	0.04
40/20	40	20	49	29	16.30	20	0.04
40/25	40	25	49	35	17.60	20	0.05
40/32	40	32	49	43	20.20	20	0.05
50/20	50	20	55	29	16.20	20	0.06
50/25	50	25	55	35	18.00	20	0.07
50/32	50	32	55	43	17.00	20	0.07
50/40	50	40	55	52	25.00	20	0.09
63/25	63	25	64	25	18.40	20	0.11
63/32	63	32	64	43	20.30	20	0.12
63/40	63	40	64	52	21.40	20	0.13
63/50	63	50	64	64	24.60	20	0.15
75/63	75	63	64	81	28.60	20	0.21
90/63	90	63	87	81	29.00	20	0.35
90/75	90	75	87	92	33.00	20	0.37
110/63	110	63	88	81	29.30	20	0.47
110/90	110	90	87	113	35.50	20	0.58

PVDF Fitting Pipe Cap



PVDF Pipe Cap

Dimension	da(OD) mm	l mm	d2 mm	dsp mm	t mm	p bar	Weight
16	16	25	28	24	15.00	20	0.01
20	20	27	32	29	15.50	20	0.02
25	25	30	37	35	17.50	20	0.03
32	32	35	46	43	19.50	20	0.04
40	40	39	57	52	22.50	20	1.07
50	50	49	69	64	24.00	20	0.13
63	63	59	86	81	28.00	20	0.20
75	75	66	97	92	33.50	20	0.30
90	90	77	119	113	36.50	20	0.53
110	110	92	139	133	42.50	20	0.81



Part 03

PVDF Valve

True Union Ball Valve



PVDF True Union Ball Valve

Dimension	da(OD) mm	l mm	d mm	h mm	b mm	dn mm	Weight
20	20	99.50	51.80	71.50	40.00	15	0.25
25	25	113.00	61.50	77.00	51.50	20	0.38
32	32	122.00	68.50	80.50	51.50	25	0.49
40	40	139.00	83.50	98.50	64.00	32	0.81
50	50	164.00	98.00	106.50	73.00	40	1.25
63	63	192.00	118.00	115.50	85.00	50	1.91
75	75	216.00	151.00	142.00	110.00	63	3.82
90	90	288.00	183.00	160.00	132.00	80	6.43

PVDF Valve

Flanged Ball Valve



PVDF Flanged Ball Valve

Nominal Diameter DN (mm)	Dimension						Operating pressure (Mpa)	Weight (kg)
	D1	D	L	b	n	Φ	PVDF	PVDF
15	95	65	120	14	4	14	1.2	0.6
20	105	75	120	16	4	14	1.2	0.7
25	115	85	130	16	4	14	1.2	1
32	135	100	140	16	4	18	1.2	1.3
40	145	110	160	16	4	18	1.2	1.8
50	160	125	180	18	4	18	1.2	2.3
65	180	145	220	22	4	18	1.2	3.5
80	195	160	250	25	8	18	1.2	4.1
100	215	180	280	25	8	18	1.2	5.9
125	245	210	350	30	8	18	1	9.2
150	280	240	400	30	8	23	1	11.7
200	335	295	400	35	8	23	0.8	17

PVDF Valve

Flanged Stop Valve



PVDF Flanged Stop Valve

Nominal Diameter DN (mm)	Dimension							Operating pressure (Mpa)	Weight (kg)
	D1	D	L	H	b	n	Φ	PVDF	PVDF
25	85	115	160	200	16	4	14	0.6	1.6
32	100	140	180	220	16	4	18	0.6	2.1
40	110	150	200	250	18	4	18	0.6	2.7
50	125	165	230	275	18	4	18	0.6	4.1
65	145	185	290	350	22	4	18	0.6	7.6
80	160	200	310	390	25	8	18	0.6	9.5
100	180	220	350	400	25	8	18	0.5	20
125	210	250	400	410	30	8	18	0.5	20
150	240	285	480	430	30	8	23	0.4	25
200	295	340	600	480	35	12	23	0.4	30

PVDF Valve

Swing Check Valve



PVDF Swing Check Valve								
Nominal Diameter DN(mm)	D1	D2	n-Φ		L	T	t	Operating pressure(Mpa)
								PVDF
20	75	105	4-14	4	140	15	5	0.7
25	85	115	4-14	4	160	16	6	0.7
32			4-18					
40	110	150	4-18	4	180	18	8	0.7
50	125	165	4-18	4	200	21	8	0.7
65	145	185	4-18	4	240	23	9	0.7
80	160	200	8-18	4	260	25	9	0.7
100	180	220	8-18	8	300	26	10	0.5
125	210	250	8-18	8	350	27	14	0.5
150	240	280	8-23	8	400	27	16	0.5
200	295	340	8-23	8	500	34	18	0.5



PVDF Valve

Diaphragm Valve



PVDF Diaphragm Valve

Nominal Diameter DN(mm)	D1	Dimension					
		D	L	b	H	N	Φ
15	95	65	125	14	125	4	14
20	105	75	135	16	130	4	14
25	115	85	145	16	145	4	14
32	135	100	160	16	170	4	18
40	145	110	180	16	190	4	18
50	160	125	210	18	215	4	18
65	180	145	250	22	280	4	18
80	195	160	300	25	300	8	18
100	215	180	350	25	340	8	18
125	245	210	400	30	420	8	18
150	280	240	460	30	480	8	23
200	335	295	570	35	625	8	23
250	390	350	680	38	776	12	25

Part 04 PVDF Butt Welding Fitting

We also have PVDF fitting which could used for butt welding, such as tee, union, elbow and etc.



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THANKS