

Asian Valve Co., Ltd



HP PVDF/
PVDF

—
High Purity
Piping System

Asian Valve's Vision

Setting the standard for superior craftsmanship in plastic pipes, fittings and valves, we prioritize excellence and user satisfaction.

ABOUT ASIAN VALVE

Asian Valve began crafting the brand's remarkable legacy since 1983. Its rare and esteemed craftsmanship, passed down through generations, has laid the foundation for Asian Valve tradition in excellent manufacturing. As a family-owned enterprise, Asian Valve epitomizes independence, craftsmanship, creativity, innovation, and responsibility. The founder's visionary perspective and unwavering commitment to progress have sustained the brand's leadership in the industry to this day.



Our HP-PVDF product line transports ultra-pure water and tough chemicals, which exceeds Semi F57 standards and surpass 12" microelectronic FAB ultrapure water requirements. Serving semiconductor, photovoltaics, life sciences, nanotechnology industries with complete IR welding systems size range from OD20~315mm.

Our product line covers industrial standard PVC and CPVC, PVCs in clear and clean, and also PPH and PVDF in industrial and high purity standards. These materials have become integral parts of people's daily lives, showcasing their indispensability. In line with our dedication to innovative technology, we proudly introduced the HP PVDF pipes, fittings, and valves in 2022. These cutting-edge products have been successfully integrated into the ultrapure water systems of the semiconductor industry, solidifying our position as the forefront provider of state of the art piping systems. With this achievement, we have established an unassailable status in the realm of advanced pipeline systems for the future.

MILESTONES



1983

Established Asian Valve



2003

Developed polypropylene piping system



2022

Developed HP PVDF high purity piping system



2024

HP PVDF pipes and fittings FM 4910 specification tested



2002

Established the first factory in Kunshan



2021

Established the second factory in Kunshan



2023

Established the third factory in Kunshan



2024

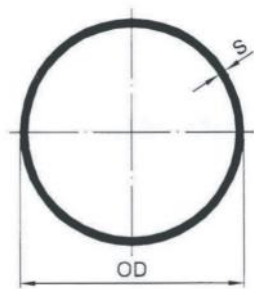
Established the fourth factory in Kunshan

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PIPE

PN10 , PN16



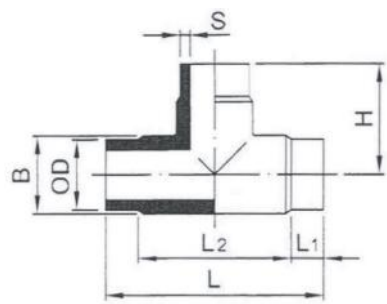
OD (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
	S (mm)	Weight (kg/m)	S (mm)	Weight (kg/m)
16	-	-	-	-
20	-	-	1.9	0.21
25	-	-	2.4	0.27
32	-	-	2.4	0.44
40	-	-	3.0	0.55
50	-	-	3.0	0.85
63	2.0	0.72	3.6	1.09
75	2.3	1.03	4.3	1.55
90	2.8	1.48	5.3	2.22
110	3.4	2.20	6.0	3.32
125	3.9	2.84	6.7	4.24
140	4.3	3.52	7.7	5.31
160	4.9	4.54	8.6	6.69
180	5.5	5.74	9.6	8.74
200	6.2	7.19	10.8	10.83
225	6.9	8.95	11.9	13.67
250	7.7	11.09	13.4	16.73
280	8.6	13.86	15.0	21.11
315	9.7	17.55	-	26.51
355	10.9	22.00	-	-
400	12.3	28.03	-	-
450	13.7	35.31	-	-
500	15.2	48.0	-	-
560	17.0	62.0	-	-
630	19.1	73.0	-	-

*Comply to ISO 10931

Length 5m

TEE

Butt Welding

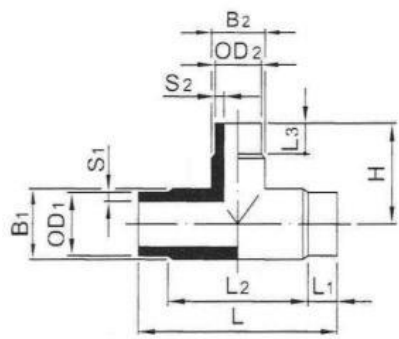


OD (mm)	H (mm)	L (mm)	L ₁ (mm)	L ₂ (mm)	B (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
						S (mm)	Weight (kg/m)
20	55.0	109.0	36.0	36.0	21.0	1.9	1.9
25	60.0	118.0	40.0	36.0	26.0	1.9	1.9
32	72.0	144.0	45.0	53.0	33.4	2.4	2.4
40	86.0	169.0	51.0	66.0	42.0	2.4	2.4
50	94.0	190.8	57.0	76.0	52.0	3.0	3.0
Short 63	82.0	150.0	28.0	96.0	65.0	3.0	3.0
75	124.0	227.0	54.0	117.0	78.0	2.3	3.6
90	131.0	263.0	75.0	114.0	93.5	2.8	4.3
110	158.0	313.0	87.0	139.0	115.0	3.4	5.3
125	119.5	239.0	35.0	169.0	133.0	3.9	6.0
140	126.0	252.0	35.0	182.0	150.0	4.6	6.7
160	190.0	376.0	95.0	185.0	164.0	4.9	7.7
180	158.5	317.0	35.0	247.0	190.0	5.5	8.6
200	168.0	336.0	35.0	266.0	210.0	6.2	9.6
Short 225	196.0	378.0	64.0	247.0	230.0	6.9	10.8
250	209.0	418.0	45.0	328.0	262.0	7.7	11.9
280	257.0	514.0	70.0	374.0	284.0	8.6	13.4
Short 315	275.0	512.0	80.0	352.0	331.0	9.7	15.0

*Comply to ISO 10931

REDUCER TEE

Butt Welding

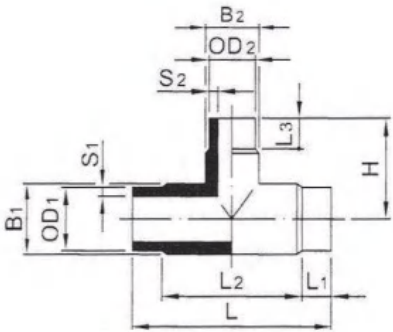


OD ₁ /OD ₂ (mm)	H (mm)	L (mm)	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	B ₁ (mm)	B (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
								S (mm)	S (mm)
63-32	83.0	150.0	28	95.0	29	65.0	33.4	3.0/2.4	3.0/2.4
63-50	68.5	124.0	26	72.0	26	65.0	52.0	3.0/3.0	3.0/3.0
75-50	74.5	127.0	26	75.0	26	76.8	52.0	2.0/3.0	3.6/3.0
75-63	74.5	127.0	26	75.0	26	76.8	65.0	2.3/2.0	3.6/3.0
90-63	131	263.0	75	113.0	65	93.5	65.0	2.8/3.0	4.3/3.0
90-75	85.2	153.8	26	101.8	26	93.5	76.8	2.8/2.3	4.3/3.6
△110-32	101	218	-	-	-	-	-	3.4/2.4	5.3/2.4
△110-40	101	218	-	-	-	-	-	3.4/2.4	5.3/2.4
△110-50	101	218	-	-	-	-	-	3.4/3.0	5.33.0
110-63	158	313	87	139	65	115	67.0	3.4/3.0	5.3/3.0
△110-75	101	218	-	-	-	-	-	3.4/2.3	5.3/3.6
110-90	153	314	81	139	75	109.5	90.0	3.4/2.8	5.3/4.3
△125-40	106	214	-	-	-	-	-	3.9/2.4	6.0/2.4
△125-50	106	214	-	-	-	-	-	3.9/3.0	6.0/3.0
△125-63	106	214	35	144	26	130	65.0	3.9/2.0	6.0/3.0
△125-75	106	214	35	144	26	130	76.8	3.9/2.3	6.0/3.6
△125-90	106	214	35	144	26	130	93.5	3.9/2.8	6.0/4.3
125-110	106	214	35	144	30	130	114.0	3.9/3.4	6.0/5.3
△140-50	114	214	-	-	-	-	-	4.3/3.0	6.7/3.0
△140-63	165	307	59	188	64	144	65.0	4.3/2.0	6.7/3.0
140-75	114	214	35	144	26	146	76.8	4.3/2.3	6.7/3.6
140-90	14	214	35	144	26	146	93.5	4.3/2.8	6.7/4.3
140-110	158.5	307	58.8	183.5	59	146	114.0	4.3/3.4	6.7/5.3
△140-125	114	214	-	-	-	-	-	4.3/3.9	6.7/6.0
160-63	180	376	95	185	64	167	65.0	4.9/2.0	7.7/3.0
△160-75	126	286	-	-	-	-	-	4.9/2.3	7.7/3.6
160-90	180	380	95	188	64	167	93.5	4.9/2.8	7.7/4.3
160-110	180	378	95	186	64	167	114.0	4.9/3.4	7.7/5.3
160-125	133	286	-	-	-	-	-	4.9/3.9	7.7/6.0
160-140	133	286	-	-	-	-	-	4.9/4.3	7.7/6.7
△180-63	144	220	35	150	26	188	65.0	5.5/2.0	8.6/3.0
△180-75	144	220	35	150	26	188	76.8	5.5/23	8.6/3.6
180-90	144	220	35	150	26	188	93.5	5.5/2.8	8.6/4.3
180-110	144	220	35	150	30	188	114.0	5.5/3.4	8.6/5.3
180-125	144	220	35	150	35	188	130.0	5.5/3.9	8.6/6.0
△180-140	144	220	-	-	-	-	-	5.5/4.3	8.6/6.7
△180-160	144	220	-	-	-	-	-	5.5/4.9	8.6/7.7
63-20	82	151	29	95	29.5	63.5	23	-	-
63-25	80	150	28.6	94	28.5	63.5	24	-	-

*Comply to ISO 10931

REDUCER TEE

Butt Welding



OD ₁ /OD ₂ (mm)	H (mm)	L (mm)	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	B ₁ (mm)	B ₂ (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
								S (mm)	S (mm)
△200-63	157	273	35	203	26	208	65.0	6.2/2.0	9.6/3.0
△200-90	157	273	35	203	26	208	93.5	6.2/2.8	9.6/4.3
200-110	157	273	35	203	30	208	114.0	6.2/3.4	9.6/5.3
200-125	157	273	35	203	35	208	130.0	6.2/3.9	9.6/6.0
200-140	157	273	35	203	35	208	146.0	6.2/4.3	9.6/6.7
200-160	157	273	35	203	35	208	167.0	6.2/4.9	9.6/7.7
△200-180	157	273	-	-	-	-	-	6.2/5.5	9.6/8.6
△225-75	171.5	306	40	226	26	235	76.8	6.9/2.3	10.8/3.6
△225-90	171.5	306	40	226	26	235	93.5	6.9/2.8	10.8/4.3
△225-110	201	376	65	247	53	227.5	112.0	6.9/3.4	10.8/5.3
225-125	171.5	306	40	226	35	235	130.0	6.9/3.9	10.8/6.0
△225-140	171.5	306	-	-	-	-	-	6.9/4.3	10.8/6.7
225-160	203	376	63	246	54	232	167.0	6.9/4.9	10.8/7.7
225-180	171.5	306	40	226	35	235	188.0	6.9/5.5	10.8/8.6
△225-200	171.5	306	-	-	-	-	-	6.9/6.2	10.8/9.6
△250-110	188	325	45	235	30	260	114.0	7.7/3.4	11.9/5.3
△250-125	188	325	-	-	-	-	-	7.7/3.9	11.9/6.0
△250-140	188	325	45	235	35	260	146.0	7.7/4.3	11.9/6.7
250-160	188	325	45	235	35	260	167.0	7.7/4.9	11.9/7.7
△250-180	188	325	-	-	-	-	-	7.7/5.5	11.9/8.6
250-200	188	325	45	235	35	260	208.0	7.7/6.2	11.9/9.6
250-225	188	325	45	235	40	260	235.0	7.7/6.9	11.9/10.8
280-140	210	400	-	-	-	-	-	8.6/4.3	13.4/6.7
*280-160	220	420	-	-	-	-	-	8.6/4.9	13.4/7.7
*280-180	220	440	-	-	-	-	-	8.6/5.5	13.4/8.6
*280-200	235	460	-	-	-	-	-	8.6/6.2	13.4/9.6
*280-225	245	485	-	-	-	-	-	8.6/6.9	13.4/10.8
*280-250	260	510	-	-	-	-	-	8.6/7.7	13.4/11.9
*315-160	237.5	450	-	-	-	-	-	9.7/4.9	15.0/7.7
*315-180	237.5	470	-	-	-	-	-	9.7/5.5	15.0/8.6
*315-200	252.5	490	-	-	-	-	-	9.7/6.2	15.0/9.6
*315-225	262.5	510	-	-	-	-	-	9.7/6.9	15.0/10.8
*315-250	277.5	540	-	-	-	-	-	9.7/7.7	15.0/11.9
*315-280	287.5	570	-	-	-	-	-	9.7/8.6	15.0/13.4

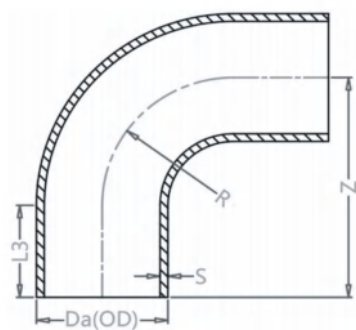
*Comply to ISO 10931

△Lap Joint

*Fabricated

90°ELBOW

Butt Welding



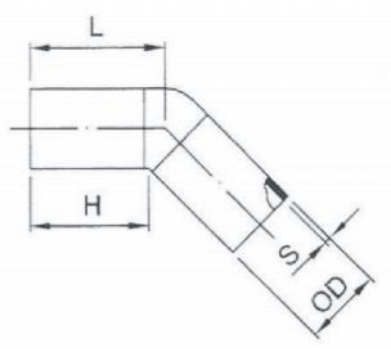
Dimension	da(OD) (mm)	Z (mm)	R (mm)	L ₃ (mm)	SDR21 ISO S10 PN16
					S (mm)
20	20	51	20	33	1.9
25	25	56	25	33	1.9
32	32	63	32	33	2.4
40	40	72	40	36	2.4
50	50	84	50	36	3
63	63	97	63	34	3
75	75	100	75	28	3.6
90	90	123	90	34	4.3
110	110	142	110	34	5.3
140	140	216	140	73	6.7
160	160	236	160	73	7.7
225	225	301	225	73	10.8

Dimension	da(OD) (mm)	Z (mm)	R (mm)	L ₃ (mm)	SDR33 ISO S16 PN10
					S (mm)
90	90	123	90	34	2.8
110	110	142	110	34	3.4
140	140	216	140	73	4.3
160	160	236	160	73	4.9
225	225	301	225	73	6.9
250	250	307	220	87	7.7
315	315	368	270	98	9.7

*Comply to ISO 10931

45°ELBOW

Butt Welding

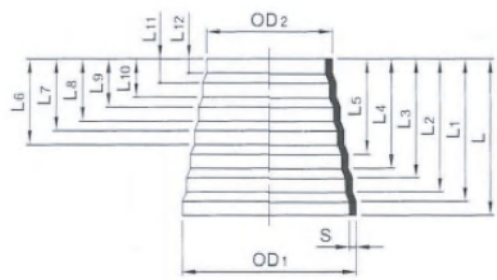


OD (mm)	H (mm)	L (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
			S (mm)	S (mm)
20	55.0	32.0	1.9	1.9
25	60.0	34.0	1.9	1.9
32	72.0	36.0	2.4	2.4
40	86.0	39.0	2.4	2.4
50	60.0	42.0	3.0	3.0
63	84.0	47.0	3.0	3.0
75	124.0	49.0	2.3	3.6
90	131.0	55.0	2.8	4.3
110	158.0	68.0	3.4	5.3
125	119.5	81.0	3.9	6.0
140	126.0	91.5	4.3	6.7
160	190.0	94.0	4.9	7.7
180	158.5	110.0	5.5	8.6
200	168.0	120.0	6.2	9.6
225	170.0	127.0	6.9	10.8
250	209.0	150.0	7.7	11.9
280	257.0	170.0	8.6	13.4
315	275.0	184.0	9.7	15.0

*Comply to ISO 10931

REDUCER CONCENTRIC

Butt Welding



OD ₁ /OD ₂ (mm)	L ₁ (mm)	L ₂ (mm)	L ₃ (mm)	L ₄ (mm)	L ₅ (mm)	L ₆ (mm)	L ₇ (mm)	L ₈ (mm)	L ₉ (mm)	L ₁₀ (mm)	L ₁₁ (mm)	L ₁₂ (mm)
63/16	70.5	62.5	53.5	46.5	38.5	33.0	25.0	21	15	12	7	5
75/32	62.5	54.5	45.5	37.5	28.5	21.5	13.5	8	--	--	--	--
110/63	57.0	47.0	36.0	28.0	17.0	9.0	--	--	--	--	--	--
125/75	63.0	53.0	40.0	30.0	19.0	11.0	--	--	--	--	--	--
160/110	74.0	62.0	48.0	37.0	23.0	13.0	--	--	--	--	--	--
225/160	87.0	71.0	55.0	42.0	26.0	14.0	--	--	--	--	--	--
315/225	109.0	89.0	70.0	54.0	35.0	19.0	--	--	--	--	--	--
450/315	148.0	118.0	92.0	68.0	44.0	24.0	--	--	--	--	--	--
630/450	214.0	178.0	132.0	100.0	62.0	32.0	--	--	--	--	--	--

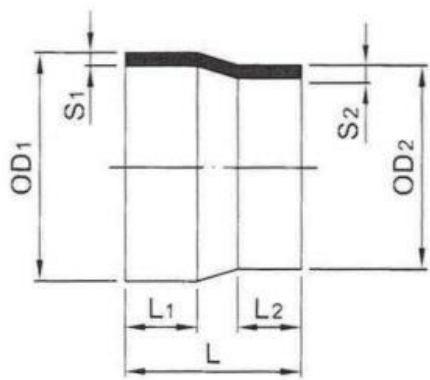
PN10	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	225	225	225	225	225	225	225	225	225	225	225
S1	--	--	--	--	--	--	2.0	2.3	2.8	3.4	3.9	4.3	4.9	5.5	6.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
PN16	16	20	25	32	40	50	63	75	90	110	125	140	160	180	200	225	225	225	225	225	225	225	225	225	225	225	225
S1	1.9	1.9	1.9	2.4	2.4	3.0	3.0	3.6	4.3	5.3	6.0	6.7	7.7	8.6	9.6	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8

OD ₁ /OD ₂ (mm)	L (mm)
63/16	79.5±2
75/32	73.5±2
110/63	70.0±2
125/75	77.0±2
160/110	88.0±2
225/160	106.0±3
315/225	133.0±3
450/315	180.0±4
630/450	276.0±4

*Comply to ISO 10931

REDUCER

Butt Welding

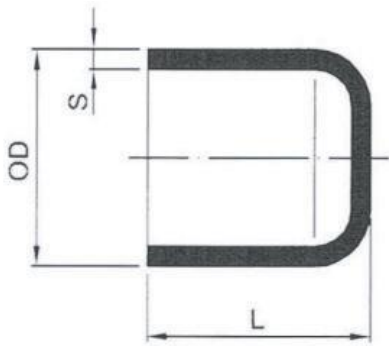


OD ₁ /OD ₂ (mm)	L (mm)	L ₁ (mm)	L ₂ (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
				S ₁ /S ₂ (mm)	S ₁ /S ₂ (mm)
25-20	50	20	20	1.9/1.9	1.9/1.9
32-20	50	20	20	2.4/1.9	2.4/1.9
32-25	50	20	20	2.4/1.9	2.4/1.9
40-20	55	20	20	2.4/1.9	2.4/1.9
40-25	55	20	20	2.4/1.9	2.4/1.9
40-32	55	20	20	2.4/2.4	2.4/2.4
50-20	60	24	20	3.0/1.9	3.0/1.9
50-25	60	24	20	3.0/1.9	3.0/1.9
50-32	60	24	20	3.0/2.4	3.0/2.4
50-40	60	24	22	3.0/2.4	3.0/2.4
63-25	75	25	20	3.0/1.9	3.0/1.9
63-32	67	25	20	3.0/2.4	3.0/2.4
63-40	65	25	22	3.0/2.4	3.0/2.4
63-50	65	25	22	3.0/3.0	3.0/3.0
75-40	68	25	24	2.3/2.4	3.6/2.4
75-50	145	64	56	2.3/3.0	3.6/3.0
75-63	144	65	57	2.3/2.0	3.6/3.0
90-50	88.6	30	25	2.8/3.0	4.3/3.0
90-63	159	69	57.6	2.8/2.0	4.3/3.0
Long 90-75	159	74	60	2.8/2.3	4.3/3.6
110-63	174	81	56	3.4/2.0	5.3/3.0
110-75	90	35	30	3.4/2.3	5.3/3.6
110-90	178.5	80	72	3.4/2.8	5.3/4.3
125-110	100	40	35	3.9/3.4	6.0/5.3
140-125	110	45	40	4.3/3.9	6.7/6.0
160-110	232.5	98.8	86.5	4.9/3.4	7.7/5.3
160-140	226	98.8	92.5	4.9/4.3	7.7/6.7
180-160	130	60	40	5.5/4.9	8.6/7.7
200-160	140	60	40	6.2/4.9	9.6/7.7
225-160	164	33	35	6.9/4.9	10.8/7.7
225-200	150	60	50	6.9/6.2	10.8/9.6
250-225	170	70	60	7.7/6.9	11.9/10.8
280-250	180	80	60	8.6/7.7	13.4/11.9
315-280	220	90	80	9.7/8.6	15.0/13.4
140-110	110.5	45	40	4.3/3.4	6.7/5.3
225-110	160.5	34	40	6.9/3.4	10.8/5.3

*Comply to ISO 10931

END CAP

Butt Welding

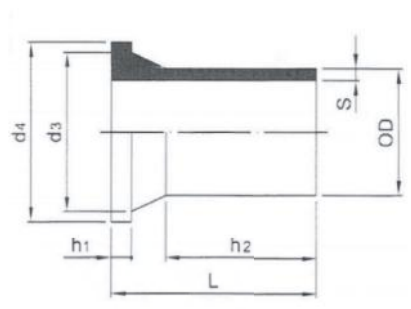


OD (mm)	L ₁ (mm)	L (mm)	SDR33 ISO S16 PN10	SDR21 ISO S10 PN16
			S (mm)	S (mm)
20	30.0	42.0	1.9	1.9
25	35.0	50.0	1.9	1.9
32	40.0	55.0	2.4	2.4
40	40.0	60.0	2.4	2.4
50	40.0	67.0	3.0	3.0
63	50.0	70.0	3.0	3.0
75	55.0	100.5	2.3	3.6
90	60.0	116.0	2.8	4.3
110	65.0	130.0	3.4	5.3
125	70.0	110.0	3.9	6.0
140	106.0	144.0	4.3	6.7
160	118.5	142.0	4.9	7.7
180	141.0	191.0	5.5	8.6
200	127.0	181.0	6.2	9.6
225	141.5	210.0	6.9	10.8
250	152.0	230.0	7.7	11.9
280	162.0	257.0	8.6	13.4
315	180.0	262.0	9.7	15.0
355	75.0	130.0	10.9	-
400	75.0	130.0	12.3	-
450	75.0	130.0	13.7	-
500	75.0	130.0	15.2	-
560	75.0	130.0	17.0	-
630	100.0	160.0	19.1	-

*Comply to ISO 10931

STUB FLANGE

Butt Welding

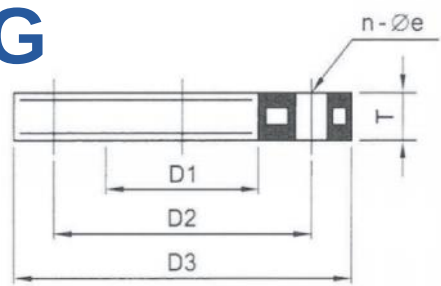


OD (mm)	d ₃ (mm)	d ₄ (mm)	L (mm)	h ₂ (mm)	SDR33 ISO S16 PN10		SDR21 ISO S10 PN16	
					S (mm)	h ₁ (mm)	S (mm)	h ₁ (mm)
20	25	43	52	30	1.9	7	1.9	6
25	30	56	52	30	1.9	7	1.9	6.5
32	42	66	52	26	2.4	7	2.4	7
40	47	76	52	23	2.4	8	2.4	8
50	58	85	52	22	3.0	9	3.0	9
63	74	101	52	20	3.0	11	3.0	10
75	91	121	52	20	2.3	12	3.6	10
90	106	138	81	44	2.8	12	4.3	11
110	127	158	82	40	3.4	14	5.3	12
125	135	158	175	102	3.9	25.5	6.0	25.5
Short 140	155	187	81	43	4.3	27.4	6,7	15
160	176	210	84	34	4.9	26.2	7,7	16
180	136	217	180	127	5.5	26.5	8.6	18
200	229	268	213	75	6.2	31.5	9.6	20
225	234	268	102	70	6.9	33	10.8	20
250	282	319	115	205	7.7	34	11.9	23
280	292	320	375	303.5	8.6	32	13.4	32
Short 315	334	368.5	122	68.5	9.7	35	15.0	26
355	373	430	175	-	10.9	40	-	-
400	427	482	175	-	12.3	40	-	-
450	514	585	180	-	13.7	50	-	-
500	530	585	180	-	15.2	50	-	-
560	615	685	180	-	17.0	55	-	-
630	642	685	200	-	19.1	55	-	-

*Comply to ISO 10931

BACKING RING

(DIN)

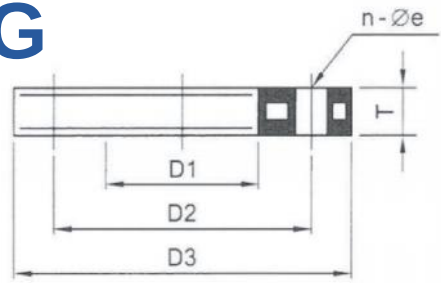


OD (mm)	D1 (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)
20	28	65	95	14	4	12
25	34.70	75.8	105.06	14.08	4	12.15
32	42.24	84.53	115.22	14.06	4	16.22
40	51.42	100.02	140.14	18.10	4	20.08
50	62.34	110.02	150.42	18.06	4	20.22
63	78.20	124.85	165.42	17.84	4	20.24
75	92.08	145.16	185.37	18.06	4	20.00
90	110.50	160.25	200.36	18.04	8	20.08
110	128.26	180.16	220.12	18.13	8	20.02
140	158.83	210.60	250.90	18.03	8	24.42
160	178.75	240.02	285.68	22.32	8	24.05
180	188	240	285	23	8	22
200	235	295	340	23	8	24
225	239.0	294.05	341.60	21.88	8	27.17
250	288	350	390	23	12	26
280	295.07	350.16	401.26	22.68	12	30.03
315	339.84	400.0	451.06	23.0	12	33.52
▲ 355	376	460	505	30	16	28
▲ 400	430	515	565	30	16	28
▲ 450	517	620	670	30	20	30
▲ 500	533	620	670	30	20	30
▲ 560	618	725	780	30	20	30
▲ 630	645	725	780	30	20	30

BACKING RING

150#

(ANSI)

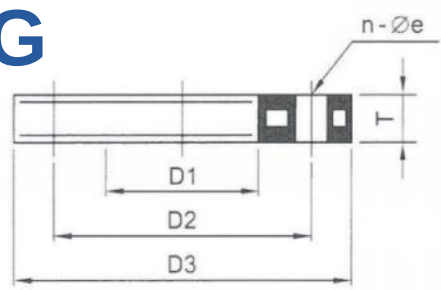


OD (inch)	D1 (mm)	D2		D3 (mm)	e (mm)	n (Number)	T (mm)
		(mm)	(inch)				
1/2"	28	60.00	2-3/8"	95	16	4	12
3/4"	34	70.00	2-3/4"	105	16	4	12
1"	42	79.25	3-1/8"	115	16	4	16
1-1/4"	51	88.90	3-1/2"	140	16	4	16
1-1/2"	62	89.40	3-7/8"	150	16	4	18
2"	78	120.65	4-3/4"	165	19	4	18
2-1/2"	92	139.70	5-1/2"	185	19	4	18
3"	111	152.40	6"	200	19	4	20
4"	134	190.50	7-1/2"	228	19	8	18
5"	133	190.50	7-1/2"	254	22	8	20
6"	178	240.00	9-1/2"	285	23	8	24
8"	236	298.45	11-3/4"	345	22	8	28
10"	288	361.95	14-1/4"	406	25	12	30
12"	338	431.80	17"	483	25	12	32
14"	376	476.25	18-3/4"	533	29	12	28
16"	430	539.75	21-1/4"	597	29	16	28
18"	517	577.85	22-3/4"	635	32	16	30
20"	533	635.00	25"	699	32	20	30
24"	645	749.30	29-1/2"	813	35	20	30

BACKING RING

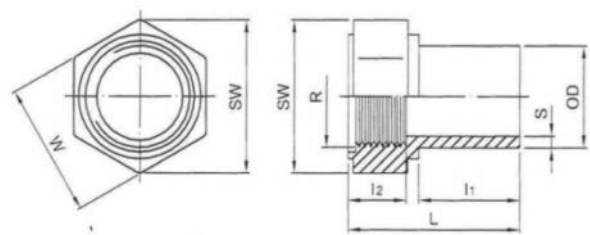
10K

(JIS)



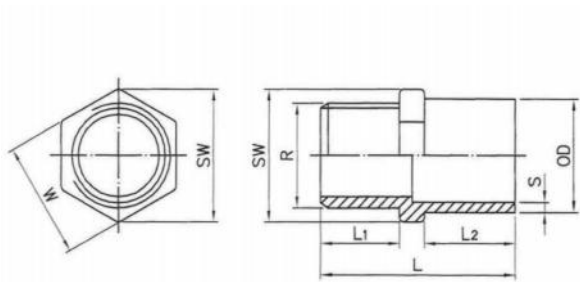
DN (mm)	D1 (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)
1/2"	28	70	96	15	4	12
3/4"	34	75	100	15	4	14
1"	42	90	125	19	4	14
1-1/4"	51	100	135	19	4	14
1-1/2"	62	105	140	19	4	16
2"	78	120	155	19	4	16
2-1/2"	92	140	175	19	4	16
3"	110	150	185	19	8	18
4"	133	175	210	19	8	18
5"	160	215	250	23	8	20
6"	178	240	280	23	8	21
8"	238	290	330	23	8	21
10"	288	355	400	25	12	24
12"	338	400	445	25	16	26
14"	376	445	490	25	16	28
16"	430	510	560	27	16	28
18"	517	565	620	27	20	30
20"	533	620	675	27	20	30
24"	645	730	795	33	24	30

FEMALE ADAPTOR



OD (mm)	S (mm)	L ± 2.5 (mm)	L ₁ ± 1.5 (mm)	L ₂ ± 1.5 (mm)	R (mm)	W x SW ± 1.5 (mm)
20	1.9	45.7	21.4	16.2	1/2"BSP	32.0x35.0
25	1.9	51.0	23.5	17.0	3/4"BSP	40.5x44.6
32	2.4	59.0	30.5	20.0	1"BSP	45.6x50.5
40	2.4	67.5	35.0	24.0	1-1/4"BSP	54.0x59.5
50	3.0	69.0	34.5	26.0	1-1/2"BSP	69.0x76.2
63	3.0	75.0	36.5	28.2	2"BSP	83.6x93.0

MALE ADAPTOR

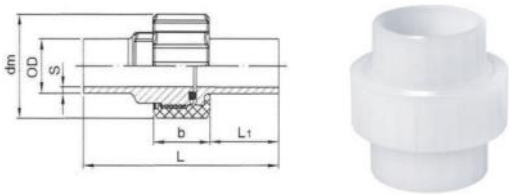


OD (mm)	S (mm)	L ± 2.5 (mm)	L ₁ ± 1.5 (mm)	L ₂ ± 1.5 (mm)	R (mm)	W x SW ± 1.5 (mm)
20	1.9	46.5	18.5	20.0	1/2"BSP	21.8x24.0
25	1.9	51.8	20.5	23.0	3/4"BSP	26.7x29.6
32	2.4	61.8	24.2	28.5	1"BSP	35.6x39.6
40	2.4	67.7	27.2	30.0	1-1/4"BSP	45.7x50.7
50	3.0	75.0	29.2	33.5	1-1/2"BSP	55.0x61.0
63	3.0	80.0	32.0	35.7	2"BSP	64.3x71.3

*Comply to ISO 10931

UNION

Sealing Material: VITON



OD (mm)	PN16 (mm)	PN10 (mm)	L ±2.5 (mm)	L1 (mm)	dm ±1.5 (mm)	b ±1.5 (mm)
20	1.9	1.9	111	41	43	1/2"BSP
25	1.9	1.9	115	40	52	3/4"BSP
32	2.4	2.4	121	41	63	1"BSP
40	2.4	2.4	127	43	72	1-1/4"BSP
50	3.0	3.0	135	45	87	1-1/2"BSP
63	3.0	3.0	135	46	105.8	2"BSP
75	3.6	2.3	153	41	131.5	2-1/2"BSP

*Comply to ISO 10931

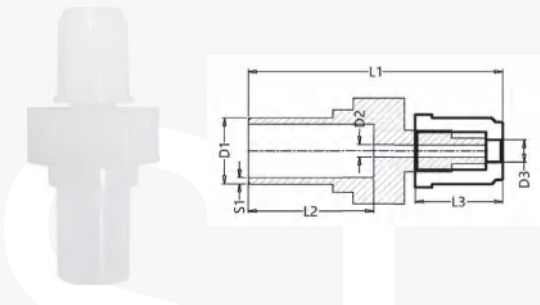
INSTRUMENTATION FITTINGS



Dimension	D1(OD) mm	D2(OD) mm	L1 mm	L2 mm	SDR21 ISO S10 PN16	SDR33 ISO S16 PN10
					S (mm)	S (mm)
63	63	82	120	52	3	
90	90	103	159	58	4.3	2.8
110	110	122	150	60	5.3	3.4
140	140	155	158	78	6.7	4.3
160	160	178	158	78	7.7	4.9
225	225	244	130	50	10.8	6.9

*Comply to ISO 10931

TRANSITION FITTINGS (PVDF TO PFA)

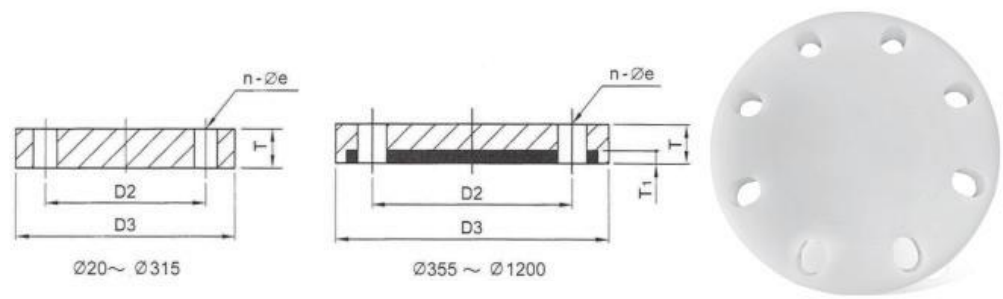


Dimension	D1(OD) mm	D2 mm	D3 mm	L1 mm	L2 mm	L3 mm	S1 mm
20	20	3.7	6.7	75	37	25.8	1.9

*Comply to ISO 10931

BLIND FLANGE

(DIN)

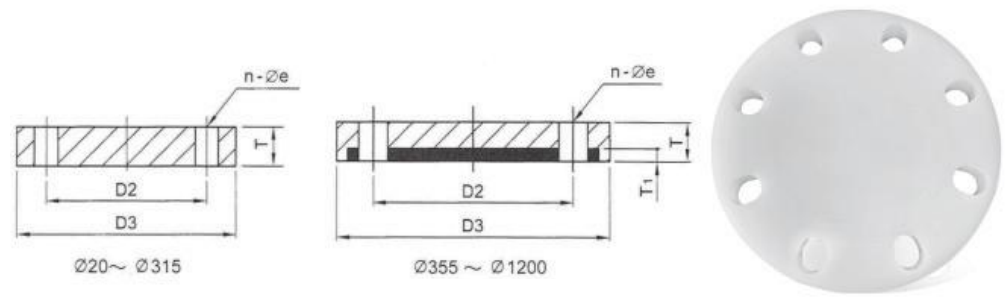


OD (mm)	D2 (mm)	D3 (mm)	e (mm)	n Number	T (mm)	T ₁ (mm)
20	65	95	14	4	19	-
25	75	105	14	4	19	-
32	85	115	14	4	19	-
40	100	140	18	4	19	-
50	110	150	18	4	19	-
63	125	165	18	4	19	-
75	145	185	18	4	19	-
90	160	200	18	8	19	-
110	180	220	18	8	19	-
125	180	220	18	8	23	-
140	210	250	18	8	19	-
160	240	285	23	8	19	-
180	240	285	23	8	23	-
200	295	340	23	8	23	-
225	295	340	23	8	19	-
250	350	390	23	12	25	-
280	350	395	23	12	25	-
315	400	445	23	12	25	-
355	460	505	30	16	28	8
400	515	565	30	16	28	8
450	620	670	30	20	30	8
500	620	670	30	20	30	8
560	725	780	30	20	30	8
630	725	780	30	20	30	8

*Comply to ISO 10931

BLIND FLANGE

(ANSI)

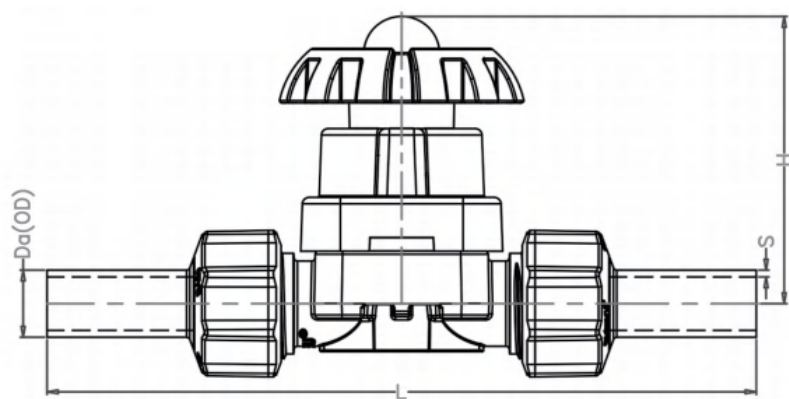


OD (mm)	DN (inch)	D2 (mm)	D3 (mm)	n Number	T (mm)	T ₁ (mm)
20	1/2PVDF"	60	89	4	16	-
25	3/4PVDF"	70	98	4	14	-
32	1PVDF"	79	108	4	18	-
40	1-1/4PVDF"	89	117	4	18	-
50	1-1/2PVDF"	98	127	4	19	-
63	2PVDF "	121	152	4	19	-
75	2-1/2PVDF"	140	178	4	19	-
90	3PVDF"	152	191	4	23	-
110	4PVDF"	191	229	8	23	-
140	5PVDF"	216	254	8	23	-
160	6PVDF"	241	279	8	23	-
200	8PVDF"	298	343	8	23	-
250	10PVDF"	362	406	12	25	-
315	12PVDF"	432	483	12	25	-
355	14PVDF"	476	533	12	28	8
400	16PVDF"	540	597	16	28	8
450	18PVDF"	578	635	16	30	8
500	20PVDF"	635	699	20	30	8
630	24PVDF"	749	813	20	30	8

*Comply to ISO 10931

DIAPHRAGM VALVE

UNION/FLANGED/BUTT FUSION/ZERO STATIC



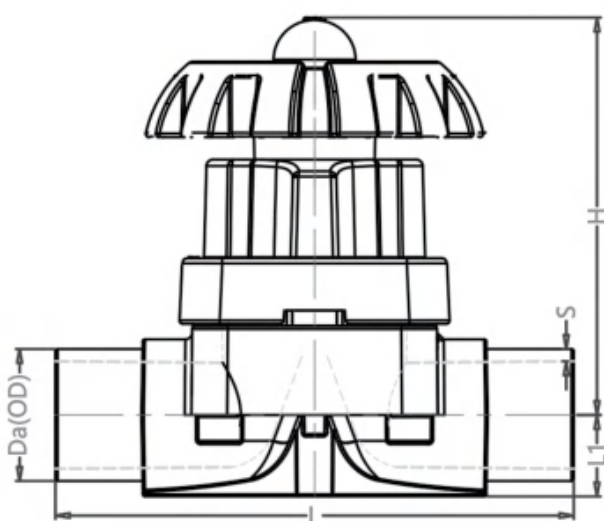
DIAPHRAGM VALVE

(UNION TYPE)

DIMENSIONS TABLE

Dimension	da(OD) (mm)	S (mm)	L (mm)	H (mm)
20	20	1.9	205	101
25	25	1.9	233	111
32	32	2.4	246	138.5
40	40	2.4	283.5	178.5
50	50	3	286	185.5
63	63	3	328	217

*Comply to Q/SY 005-2020

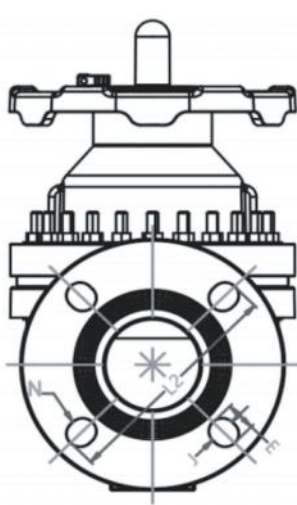
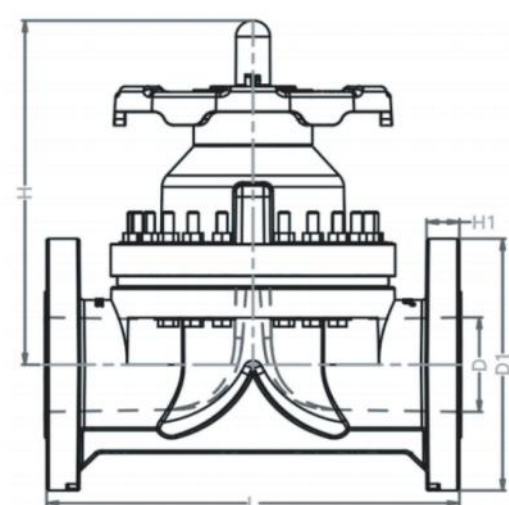


DIAPHRAGM VALVE

(BUTT FUSION TYPE)

Dimension	da(OD) (mm)	S (mm)	L (mm)	L1 (mm)	H (mm)	Detail
20	20	1.9	130	22	100	20-SDR21 ISO S-10
25	25	1.9	147	25	110	25-SDR21 ISOS-10
32	32	2.4	158.5	28	146	32-SDR21 ISOS-10
40	40	2.4	273	33	145	40-SDR21 ISOS-10
50	50	3	196	35	176	50-SDR21 ISO S-10
63	63	3	324	37	180	63-SDR21 ISO S-10

*Comply to Q/SY 005-2020



DIAPHRAGM VALVE

(FLANGED TYPE)

Dimension	D (mm)	D1 (mm)	L (mm)	L2 (mm)	H (mm)	H1 (mm)	E*J (mm)
75	70	187	287	82	296	23	22*19
90	84	200	310	178	320	24	Φ18
110	106	229	346.5	210	366	24	27*19
140	124	254	408.5	238	442	24	25*22
160	149	285	480	263	461	24	Φ23

*Comply to Q/SY 005-2020

DIAPHRAGM VALVE

(ZERO STATIC TYPE)



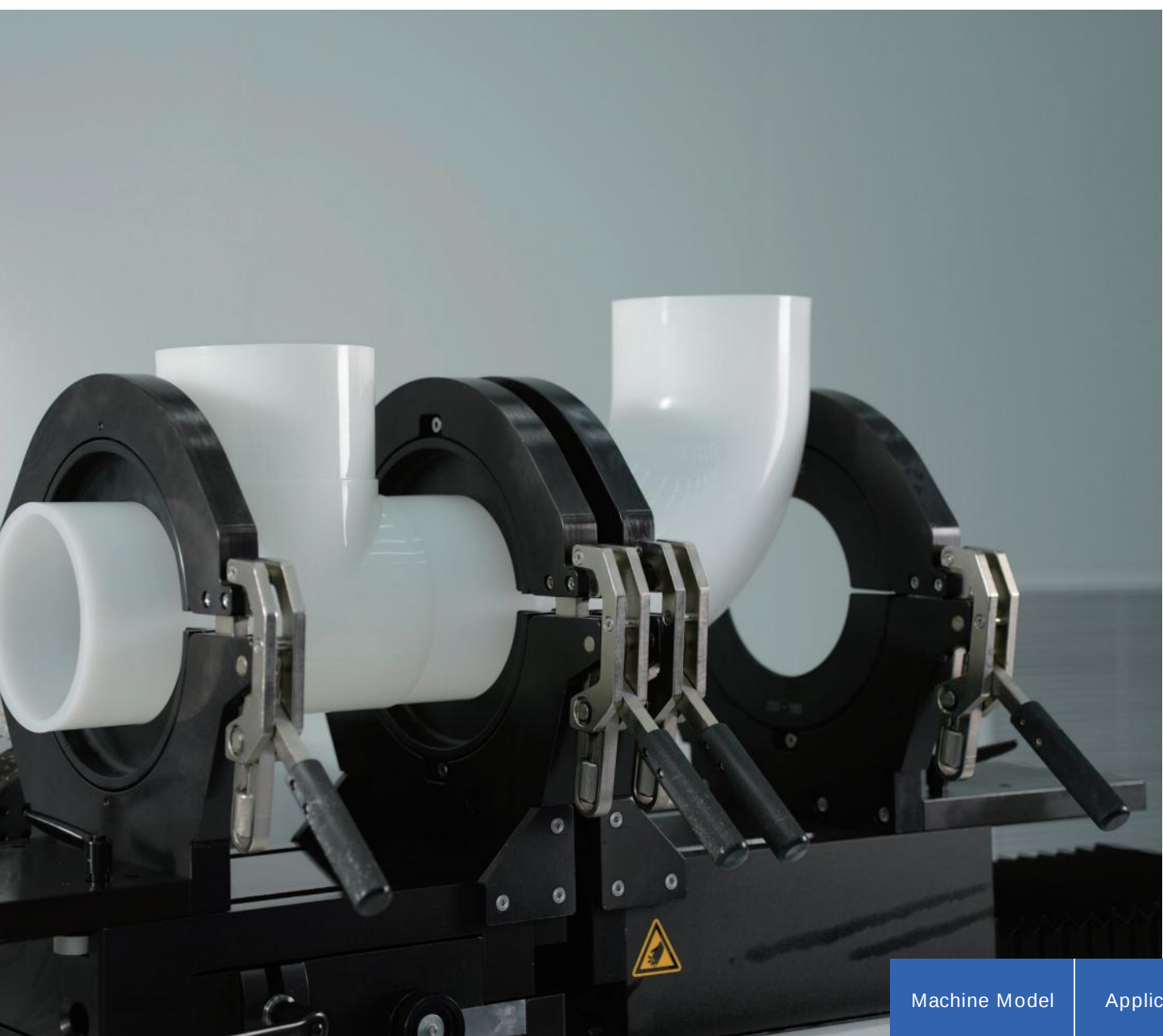
Unit : mm

DIN 20	DIN 25	DIN 32	DIN 40	DIN 50	DIN 63	DIN 75	DIN 90	DIN 110
	25X20	32X25	40X32	50X40	63X50	75X63	90X75	110X90
		32X20	40X25	50X32	63X40	73X50	90X63	110X75
				50X25	63X32	75X32	90X32	110X63
								110X32

*Comply to Q/SY 005-2020

Automatic Infrared Welding Machine

PREMIUM IR MACHINES



Machine Model	Applicable Size
IR63	20-63mm
IR110	20-110mm
IR250	110-250mm
IR315	110-315mm

Automatic Infrared Welding Machine

“ Excellence in work requires the right tools.” With this principle in mind, we have independently developed and designed a fully automatic infrared welding machine. This cutting-edge equipment meets the highest construction standards, ensuring a solid guarantee for the production of premium quality products.

WELDING PROCESS





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