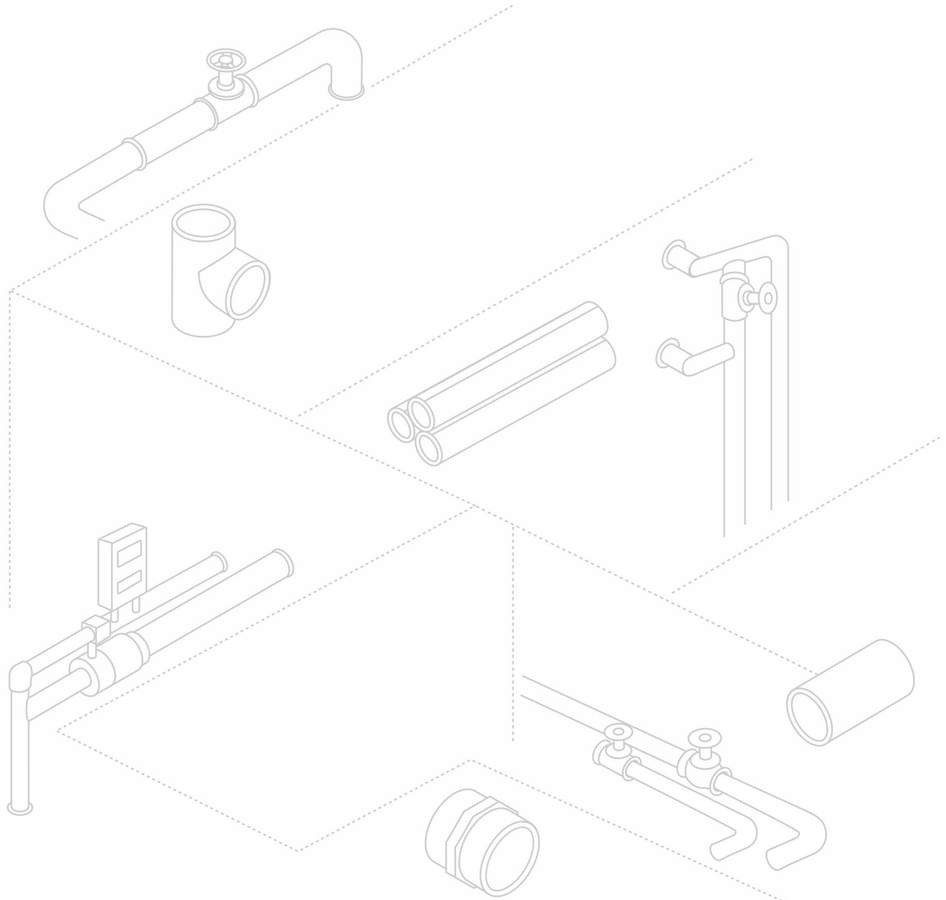


LESSO

CHINA LESSO GROUP HOLDINGS LIMITED
(CHINA LESSO, STOCK CODE: 2128.HK)

GUANGDONG LESSO INDUSTRIAL SPECIAL PIPE CO., LTD.
Address: Building A, No. 38-2, Jianshe West Road, Taoyuan Town, Heshan City, Guangdong Province

GUANGDONG LIANSU TECHNOLOGY INDUSTRIAL CO.,LTD.
Production Base:
LIANSU Industrial Estate, Longjiang Town, Shunde District, Foshan City, Guangdong Province 528318, China

Sales Tel: (86) 757 23379211 Fax : (86) 757 23378980 E-mail: oversea@lesso.com
Asia-1 : (86) 757-29223015 Africa-1 : (86) 757-29226356 Middle East : (86) 757-29226355
Asia-2 : (86) 757-29220500 Africa-2 : (86) 757-23379211 South America : (86) 757-29220501

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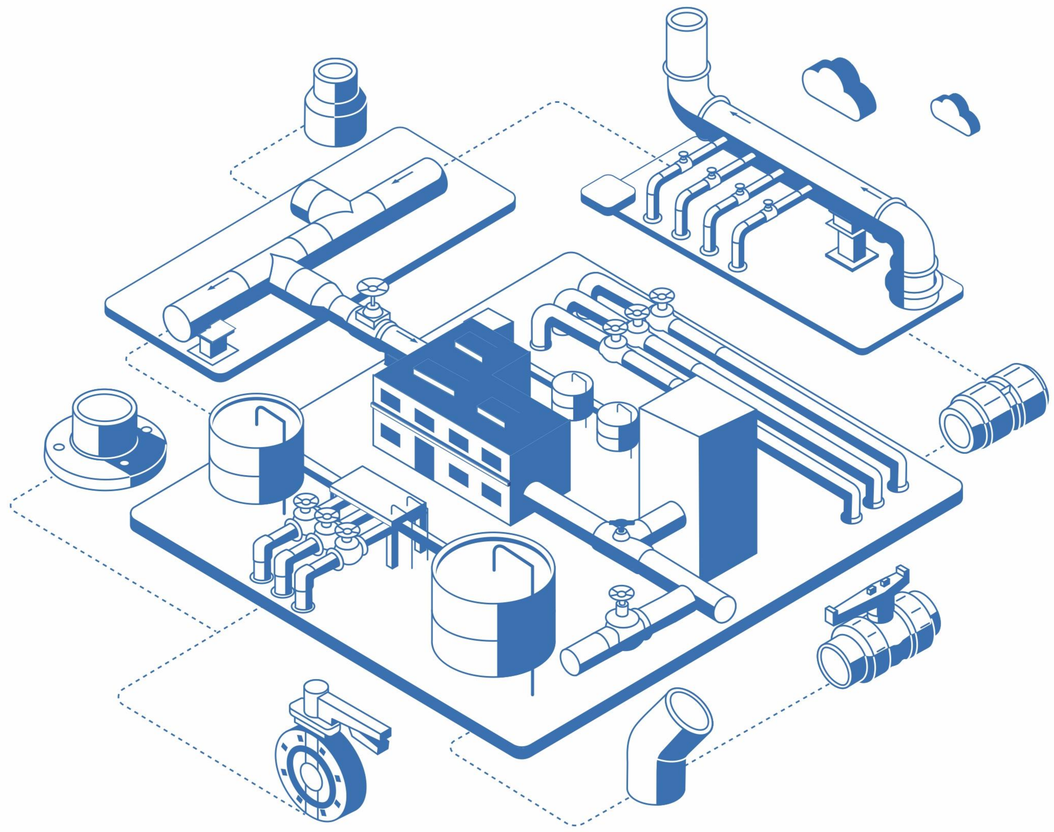
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PVC-U INDUSTRIAL PIPING SYSTEMS

GB/T(METRIC) STANDARD
PVC-U PIPING SYSTEMS

ASTM STANDARD
PVC SCH80 PIPING SYSTEMS

JIS STANDARD
PVC-U(VP SERIES) PIPING SYSTEMS

LESSO GROUP

Established in 1986, LESSO (Stock Code: 02128.HK) is a global leader in home furnishings and building materials. The Group’s business portfolio spans plastic piping, building materials and home furnishings, environmental protection, new energy, supply-chain service platforms and others. It offers a wide range of products such as pipes, photovoltaics, plumbing and sanitary ware, integral kitchen materials, integral doors and windows, aluminum formwork and smart scaffolds, water purifiers, water-proofing materials and sealants, fire-fighting equipment, valves, cables, lighting, hygiene materials, items for environmental protection, agricultural facilities, and oceanic aquaculture cages. In 2023, LESSO’s sales revenue reached over USD 4.38 billion.

Since implementing a strategy of globalization and expanding its global presence, LESSO has evolved into a sophisticated multinational. It boasts more than 30 advanced production bases worldwide, broadening its industrial and sales networks to cover Asia, North America, South America, Europe, Africa, and Oceania. This enables LESSO to provide quality products and services for global customers in accordance with its continuously improved strategic layout in a timely and efficient way.

LESSO has founded its R&D center with more than 1,000 scientific researchers, nationally accredited enterprise technology center, and two post-doctoral workstations to support its innovation and technical development. The Group has taken a leading role in the revision of over 120 international and Chinese industry standards. LESSO owns over 3000 patents (some of them are pending), and provides over 10,000 varieties of products, making it one of the most comprehensive manufacturers in the piping industry. Its products are utilized globally in different areas, including home decoration, civil construction, municipal water supply, drainage, energy management, power supply and telecommunications, gas supply, fire-fighting, environmental protection, agriculture, oceanic aquaculture, etc.

True to its idea of “Envisioning the Better, Building the Future”, LESSO remains committed to creating a better living environment, and advocating ideal cities featuring greenness, livability, and efficiency. With concerted efforts from various sectors, LESSO will fully play its role in sustaining healthy and beautiful space so that global residents could enjoy a comfortable life.

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GB/T (METRIC) STANDARD

PVC-U PIPING SYSTEMS

Efficient and Durable Safe and Worry-Free

National standard industrial rigid polyvinyl chloride (PVC-U) pipe is made of high-quality PVC resin in strict accordance with the national standard, has excellent corrosion resistance, and is suitable for the temperature range of -5° C to 45° C. The product is widely used in industrial waste water treatment, water treatment, chemical industry, metallurgy, electroplating and paper industries, central air conditioning system and other fields, and is the ideal energy-saving and environment-friendly pipeline products in industrial applicaiton.

Corrosion resistance

Excellent transport performance

Easy installation

High quality



Basic Physical Properties

Characteristics	Units	Standard Value	Test method
Density	Kg/m3	1350~1460	ISO 1183
VICAT Softening Point	℃	Pipes ⩾80，Fittings ⩾74	ISO2507
Tensile Strength	MPa	⩾40	ISO6259
Charpy Impact Strength	KJ/m2	>6 （23℃）	ISO 179
Longitudinal Reversion	%	⩽5	ISO 2505
Falling impact (℃)	TIR	⩽10%	ISO3127

General Applications



- Waste incineration and domestic sewage treatment plant
- Chlor-alkali Industry
- Leather and paper making
- Electronics and electroplating industry

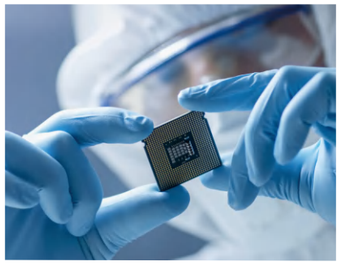


- Industrial water supply treatment
- Industrial wastewater treatment
- Bathrooms and swimming pools



- Chemical industry
- Mining industry
- Food and Beverage Industry
- Drinking water preparation industry







Product Advantages

1 Chemical Resistance

PVC-U piping systems have good chemical resistance,especial in acids, bases and salts, not corroded by corrosive soil or various water qualities.

2 Cost Effective

PVC-U piping systems are lightweight, with complete accessories and flexible, making it lower in installation cost compared to other pipeline systems.

3 High Strength

PVC-U products are highly resilient, tough and durable with high tensile and high impact strength.

4 Easy Installation

There are many joint methods, such as solvent cement, threaded, flanged, & hot air welding.

5 Low Friction

The smooth interior surfaces of PVC-U assure low friction loss and high flow rate. Additionally,since PVC-U pipe will not rust, pit,scale, or corrode, the high flow rate will be maintained for the life of the piping system.

6 Light Weight

PVC-U pipe is light in weight (approximately one-half the weight of aluminum and one-sixth the weight of steel) reducing transportation, handling, and installation cost.

7 Low Thermal Conductivity

PVC-U pipe has a much lower thermal conductivity factor than metal pipe. Therefore, fluids being piped maintain a more constant temperature. In most cases, pipe insulation is not required.

8 Long Life

The recommended temperature for use is within 45 ℃, with a maximum temperature not exceeding 60 ℃. When transporting chemical media, reference should be made to theparameters of chemical corrosion resistance for selection.

9 Maintenance Free

PVC-U pipeline system will never rust and will not corrode or scale inside. As long as the pipeline system is designed and installed correctly, it can be used for a long time without faults.

PRECAUTIONS

* PVC-U pipes cannot be used to compress air or other gas conveying.
* Do not throw, defile, press ure and damage when tran sporting and loading.
* Do not use compressed air or gas mixture for pressure test.
* Do not expose the product for the storage of the product, stay away from the heat source when stacked, and the height of the stacking height does not exceed 2 meters.

Metric PVC-U Pipes

• Pipes

NOTES：Those markede “✱” are awaiting production

PVC-U Pipes, Dark Grey, S5 SDR11 PN20, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
20	20	8010013549	2.0	16.0	100
25	20	8010013551	2.3	20.4	80
32	20	8010013554	2.9	26.2	40
40	20	8010013665	3.7	32.6	40
50	20	8010013671	4.6	40.8	4
63	20	8010013560	5.8	51.4	4
75	20	8010013566	6.8	61.4	4
90	20	8010013572	8.2	73.6	4
110	20	8010013578	10.0	90.0	4
✱ 140	20	8010014237	12.7	114.6	4
160	20	8010013615	14.6	130.8	4
200	20	8010013622	18.2	163.6	4

PVC-U Pipes, Dark Grey, S6.3 SDR13.6 PN16, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
25	16	8010013550	2.0	21	80
32	16	8010013553	2.4	27.2	40
40	16	8010013664	3.0	34	40
50	16	8010013670	3.7	42.6	4
63	16	8010013559	4.7	53.6	4
75	16	8010013565	5.6	63.8	4
90	16	8010013571	6.7	76.6	4
110	16	8010013577	8.1	93.8	4
✱ 140	16	8010014238	10.3	119.4	4
160	16	8010013614	11.8	136.4	4
200	16	8010013621	14.7	170.6	4
✱ 225	16	8010014243	16.6	191.8	4
250	16	8010013628	18.4	213.2	4
✱ 280	16	8010014249	20.6	238.8	4
315	16	8010013765	23.2	268.6	4
355	16	8010013777	26.1	302.8	4
400	16	8010013789	29.4	341.2	4

PVC-U Pipes, Dark Grey, S8 SDR17 PN12.5, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
32	12.5	8010013552	2.0	28.0	40
40	12.5	8010013663	2.4	35.2	40
50	12.5	8010013669	3.0	44.0	4
63	12.5	8010013558	3.8	55.4	4
75	12.5	8010013564	4.5	66.0	4
90	12.5	8010013570	5.4	79.2	4
110	12.5	8010013576	6.6	96.8	4
✱ 140	12.5	8010014239	8.3	123.4	4
160	12.5	8010013613	9.5	141.0	4
200	12.5	8010013620	11.9	176.2	4
✱ 225	12.5	8010014244	13.4	198.2	4
250	12.5	8010013627	14.8	220.4	4
✱ 280	12.5	8010014250	16.6	246.8	4
315	12.5	8010013764	18.7	277.6	4
355	12.5	8010013776	21.1	312.8	4
400	12.5	8010013788	23.7	352.6	4

PVC-U Pipes, Dark Grey, S12.5 SDR26 PN8, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
50	8	8010013667	2.0	46.0	4
63	8	8010013556	2.5	58.0	4
75	8	8010013562	2.9	69.2	4
90	8	8010013568	3.5	83.0	4
110	8	8010013574	4.2	101.6	4
✱ 140	8	8010014241	5.4	129.2	4
160	8	8010013611	6.2	147.6	4
200	8	8010013618	7.7	184.6	4
✱ 225	8	8010014246	8.6	207.8	4
250	8	8010013625	9.6	231.8	4
✱ 280	8	8010014252	10.7	258.6	4
315	8	8010013762	12.1	290.8	4
355	8	8010013774	13.6	327.8	4
400	8	8010013786	15.3	369.4	4

PVC-U Pipes, Dark Grey, S10 SDR21 PN10, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
40	10	8010013662	2.0	36.0	40
50	10	8010013668	2.4	45.2	4
63	10	8010013557	3.0	57.0	4
75	10	8010013563	3.6	67.8	4
90	10	8010013569	4.3	81.4	4
110	10	8010013575	5.3	99.4	4
✱ 140	10	8010014240	6.7	126.6	4
160	10	8010013612	7.7	144.6	4
200	10	8010013619	9.6	180.8	4
✱ 225	10	8010014245	10.8	203.4	4
250	10	8010013626	11.9	226.2	4
✱ 280	10	8010014251	13.4	253.2	4
315	10	8010013763	15.0	285.0	4
355	10	8010013775	16.9	321.2	4
400	10	8010013787	19.1	361.8	4

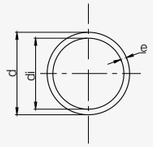
PVC-U Pipes , Dark Grey, S16 SDR33 PN6.3, Standard Length 4m



d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
63	6.3	8010013555	2.0	59.0	4
75	6.3	8010013561	2.3	70.4	4
90	6.3	8010013567	2.8	84.4	4
110	6.3	8010013573	3.4	103.2	4
✱ 140	6.3	8010014242	4.3	131.4	4
160	6.3	8010013610	4.9	150.2	4
200	6.3	8010013617	6.2	187.6	4
✱ 225	6.3	8010014247	6.9	211.2	4
250	6.3	8010013624	7.7	234.6	4
✱ 280	6.3	8010014253	8.6	262.8	4
315	6.3	8010013761	9.7	295.6	4
355	6.3	8010013773	10.9	333.2	4
400	6.3	8010013785	12.3	375.4	4

PVC-U Pipes, Dark Grey, S20 SDR41 PN5, Standard Length 4m

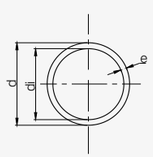




d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
160	5	8010013609	4.0	152.0	4
200	5	8010013616	4.9	190.2	4
* 225	5	8010014248	5.5	214	4
250	5	8010013623	6.2	237.6	4
* 280	5	8010014254	6.9	266.2	4
315	5	8010013760	7.7	299.6	4
355	5	8010013772	8.7	337.6	4
400	5	8010013784	9.8	380.4	4

PVC-U Pipes, Dark Grey, S4 SDR9 PN25, Standard Length 4m





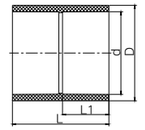
d (mm)	PN	Code	e (mm)	di (mm)	SP (m)
* 20	25	8010014258	2.3	15.4	100
* 25	25	8010014259	2.8	19.4	80
* 32	25	8010014257	3.6	24.8	40

Metric PVC-U Fittings

• Adhesive Socket Fittings

NOTES: The nominal pressure for metric pipe fittings below d50 arePN16, above d50 are PN10, while PN16 are awaiting production.



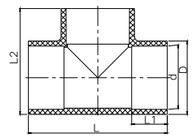


Coupling, PVC-U, Metric

d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028225	43	20	20	15	1440
25	16	8010028226	47	31.5	22	15	900
32	16	8010028227	53	38.7	25	10	540
40	16	8010028228	61	47.5	29	5	300
50	16	8010028229	71	59	34	10	180
63	16	8010028230	83.5	72.5	40	7	105
75	16	8010028231	95	85.4	45	5	65
90	16	8010028232	111	101	54	2	50
110	16	8010028233	129	122.5	62	2	24
125	16	8010028234	145.5	140.5	69.5	2	22
140	16	8010028235	162	157	77	1	14
160	16	8010028236	180	177.5	87	1	10
180	16	8010028237	200	198	97	1	10
200	16	8010028238	230	221.2	111	1	4
225	10	8010028239	260	245	125	1	3
250	10	8010028240	291	268.5	140	1	2

Tee, PVC-U, Metric

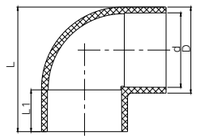




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	L2 (mm)	SP	GP
20	16	8010028271	61	25	20	43.75	15	720
25	16	8010028272	71	31.5	22	51	7	420
32	16	8010028273	83.5	38.7	25	61.5	5	240
40	16	8010028274	99.5	47.9	29	75.3	10	150
50	16	8010028275	121.5	59.6	34	90	5	80
63	16	8010028276	146	73	40	109	3	45
75	16	8010028277	168.5	87	45	125.3	3	27
90	16	8010028278	202.5	105	54	146	2	20
110	16	8010028279	242	127	62	181.8	1	10
125	16	8010028280	279.5	151	69.5	207.5	1	6
140	16	8010028281	31	169	77	229	1	5
160	16	8010028282	340	193	87	258.2	1	3
180	16	8010028662	392	200	97	296	1	4
* 200	16	8011020691	424	225.2	108	324.6		
* 225	10	8011020635	486	251.8	119	370.9		
250	10	8010028663	550	278.5	135	411.5	1	1

90°Elbow, PVC-U, Metric

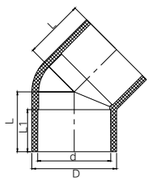




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028256	44	26.5	20	10	960
25	16	8010028257	51.4	31.5	22	10	600
32	16	8010028258	61.3	38.7	25	6	360
40	16	8010028259	74.3	47.5	29	4	192
50	16	8010028260	89.5	59	34	9	126
63	16	8010028261	112	74	40	5	65
75	16	8010028262	132.5	87	47	4	40
90	16	8010028263	152	105	54	2	25
110	16	8010028264	180	128	62	1	16
125	16	8010028265	208	140	69.5	1	10
140	16	8010028266	228	156.5	77	1	8
160	16	8010028267	258.5	185	86	1	5
180	16	8010028268	298	200.9	97	1	3
200	16	8010028269	323	221	111	1	3
225	10	8010028270	364	245.5	125	1	1
250	10	8010028661	406.5	270.6	135	1	1

45° Elbow Metric

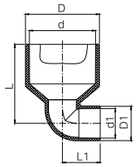




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028241	26	25	20	10	1200
25	16	8010028242	29	31.5	22	8	768
32	16	8010028243	33.3	38.7	25	7	420
40	16	8010028244	38	47.5	27.5	5	240
50	16	8010028245	44.8	59	34	10	150
63	16	8010028246	54.1	73	40	5	80
75	16	8010028247	62.4	87	45	5	50
90	16	8010028248	74	105	54	2	30
110	16	8010028249	86.5	127	62	2	20
125	16	8010028250	100.3	146	69.5	1	15
140	16	8010028251	110.1	162	77	1	10
160	16	8010028252	123.1	185	87	1	5
180	16	8010028253	145.6	198	97	1	4
200	16	8010028254	155	221.2	111	1	3
225	10	8010028255	176.8	246	125	1	2
250	10	8010028660	199	268.5	135	1	1

Reducing Elbow, PVC-U, Metric

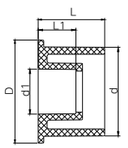




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	D1 (mm)	SP	GP
25×20	16	8010028283	40.5	31.5	31.35	26	10	720
32×20	16	8010028284	48.5	38.5	31.4	26	8	480
32×25	16	8010028285	48.9	38.7	35.4	31.5	7	420
40×20	16	8010028286	54.8	47.7	27.9	26	5	300
40×25	16	8010028287	55.1	47.7	34	31.5	5	240
40×32	16	8010028288	54.5	47.5	40	38.5	5	240
50×20	16	8010028289	67	59	32	26	4	192
50×25	16	8010028290	67	59	36.5	31.5	10	210
50×32	16	8010028291	67	59	42.5	38.5	10	180
50×40	16	8010028292	69	59	51	47.7	10	140
63×25	16	8010028293	79.5	72.5	37	31.5	10	140
63×32	16	8010028294	80.5	72.5	42	38.5	10	140
63×40	16	8010028295	81	72.5	5.5	47.5	10	120
63×50	16	8010028296	83	72.5	62	59	10	100
75×32	16	8010028297	91	85.4	42	38.5	4	72
75×40	16	8010028298	92	85.4	50.5	47.5	2	72
75×50	16	8010028299	93.5	85.4	62	59	6	72
75×63	16	8010028300	95	85.4	75	72.5	2	52
90×40	16	8010028301	108	101	51.5	47.5	5	45
90×50	16	8010028302	109	101	62	59	5	45
90×63	16	8010028303	110.5	101	75	72.5	5	45
90×75	16	8010028304	111.5	101	88	85.4	5	45
110×50	16	8010028305	127	122.5	62	59	4	40

Bushing , PVC-U, Metric

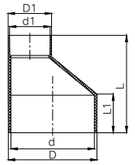




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×20	16	8010028332	22	30	17	25	2400
32×20	16	8010028333	26.5	38.5	17	20	1440
32×25	16	8010028334	25	38.5	20	20	1440
40×20	16	8010028335	30	46.5	20	10	720
40×25	16	8010028336	30	46.5	20	10	720
40×32	16	8010028337	30	46.5	23	10	720
50×20	16	8010028338	35	56.5	17	7	420
50×25	16	8010028339	35	56.5	20	7	420
50×32	16	8010028340	35	56.5	23	7	420
50×40	16	8010028341	35	56.5	27	7	420
63×25	16	8010028342	44	71.5	20	10	230
63×32	16	8010028343	44	71.5	23	10	230
63×40	16	8010028344	44	71.5	27	10	230
63×50	16	8010028345	44	71.5	32	10	230
75×32	16	8010028346	49	83.5	23	10	150
75×40	16	8010028347	49	83.5	27	10	150
75×50	16	8010028348	49	83.5	32	10	150
75×63	16	8010028349	49	83.5	40	10	150

Eccentric Reducing Coupling,PVC-U, Metric

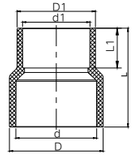




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	D1 (mm)	SP	GP
25×20	16	8010028306	49.5	31.5	23.5	26.5	15	1080
32×20	16	8010028307	60	38.7	26.5	26.5	10	600
32×25	16	8010028308	57	38.7	27	31.5	10	600
40×20	16	8010028309	72.5	47.5	31	26.5	6	360
40×25	16	8010028310	69.5	47.5	31	31.5	6	360
40×32	16	8010028311	65	47.5	31.5	38.7	6	360
50×20	16	8010028312	88	58.7	36.5	26.5	4	192
50×25	16	8010028313	85	58.7	36.5	31.5	4	192
50×32	16	8010028314	80.5	58.7	36.5	38.7	4	192
50×40	16	8010028315	76.8	58.7	36.5	47.5	4	192
63×25	16	8010028316	104.3	72.5	42.5	31.5	10	140
63×32	16	8010028317	100	72.5	42.5	38.7	10	140
63×40	16	8010028318	96	72.5	42.5	47.5	10	140
63×50	16	8010028319	90	72.5	42.5	59	10	200
75×32	16	8010028320	115	85.4	47.4	38.7	6	114
75×40	16	8010028321	115	85.4	47.2	47.5	6	114
75×50	16	8010028322	110	85.4	47.1	59	8	120
75×63	16	8010028323	110	85.4	46.4	72.5	8	120
90×40	16	8010028324	132	101	56.6	47.5	4	80
90×50	16	8010028325	130	101	56.2	59	4	80
90×63	16	8010028326	125	101	56.3	72.5	4	80
90×75	16	8010028327	125	101	55.4	85.4	4	80
110×50	16	8010028328	160	122.5	64.7	59	3	36
110×63	16	8010028329	155	122.5	64.7	72.5	3	36
110×75	16	8010028330	155	122.5	64.1	85.4	3	36

Reducing Coupling, PVC-U, Metric

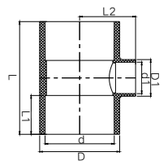




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	D1 (mm)	SP	GP
25×20	16	8010028350	48	31.5	20	26.5	10	960
32×20	16	8010028351	53.5	38.7	20	26.5	10	720
32×25	16	8010028352	54	38.7	22	31.5	11	660
40×20	16	8010028353	56	47.5	20	26.5	7	420
40×25	16	8010028354	59	47.5	22	31.5	7	420
40×32	16	8010028355	62.5	47.5	25	38.7	6	360
50×20	16	8010028356	65	59	20	26.5	5	240
50×25	16	8010028357	66.5	59	22	31.5	20	300
50×32	16	8010028358	69.5	59	25	38.7	20	260
50×40	16	8010028359	74	59	29	47.5	10	220
63×25	16	8010028360	74	75	20	31.5	10	160
63×32	16	8010028361	78	75	23	40	10	160
63×40	16	8010028362	81	75	27	50	10	150
63×50	16	8010028363	86	75	32	63	10	120
75×32	16	8010028364	85	90	23	40	5	105
75×40	16	8010028365	89.4	90	27	50	5	95
75×50	16	8010028366	99	90	34	63	5	85
75×63	16	8010028367	97	90	40	75	5	70
90×40	16	8010028368	92	101	29	50	4	96
90×50	16	8010028369	98.5	101	34	63	4	96
90×63	16	8010028370	105.5	101	40	75	4	96
90×75	16	8010028371	110.5	101	44.5	90	4	80
110×50	16	8010028372	114	123	34	63	4	48
110×63	16	8010028373	122.5	123	10	75	4	48
110×75	16	8010028374	128	123	47	90	4	48
110×90	16	8010028375	130	123	54	101	2	44
125×63	16	8010028376	141.4	140	10	75	3	36
125×75	16	8010028377	148	140	47	90	3	36
125×90	16	8010028378	155.4	140	54	101	3	36
125×110	16	8010028379	163.4	140	62	75	3	24
140×75	16	8010028380	159	157	47	90	3	25
140×90	16	8010028381	166.6	157	54	101	3	21
140×110	16	8010028382	175.8	157	62	123	3	21
140×125	16	8010028383	180.5	157	69.5	140	1	15
160×110	16	8010028384	180	178	62	123	3	15
160×125	16	8010028385	185	178	69.5	140	3	15
160×140	16	8010028386	190	178	77	157	3	15
180×110	16	8010028387	200	200	62	123	1	10
180×125	16	8010028388	205	200	9	140	1	10
180×140	16	8010028389	210	200	69.5	157	1	10
180×160	16	8010028390	220	200	77	177.6	1	10
200×110	16	8010028391	226.5	221.2	62	123	2	6
200×125	16	8010028392	215	221.3	69.5	140.3	1	10
200×140	16	8010028393	220	221.3	77	157.1	2	6
200×160	16	8010028394	225.5	221.2	90	177.5	2	6
200×180	16	8010028395	235	224.5	97	201.5	1	10
225×110	10	8010028396	253	245.5	62	122.5	2	6
225×125	10	8010028397	230	248.4	69.5	142.3	1	4
225×140	10	8010028398	235	247.4	77	157.1	1	6
225×160	10	8010028399	255	247.4	90	177.6	1	6
225×180	10	8010028400	245	248.4	97	199	1	6
225×200	10	8010028401	255	245.5	111	218.5	1	3
250×160	10	8010028402	260	272	90	177	1	3
250×200	10	8010028403	281	270.8	111	221.2	1	3

90°Reducing Tee, PVC-U, Metric

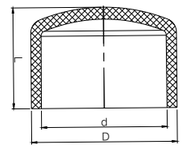




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	D1 (mm)	L2 (mm)	SP	GP
25×20	16	8010028404	67	31.5	22	26.5	34	10	480
32×20	16	8010028405	74	38.7	25	26.5	38	5	300
32×25	16	8010028406	78	38.7	25	31.5	39	5	240
40×20	16	8010028407	85	47.5	29	26.5	42	15	240
40×25	16	8010028408	89	47.5	29	31.5	44	5	180
40×32	16	8010028409	93	47.5	29	38.7	46.5	10	180
50×20	16	8010028410	92	47.5	34	27.7	46	9	135
50×25	16	8010028411	96	59.6	34	32.7	48	8	128
50×32	16	8010028412	104	59.6	34	38.5	52	8	112
50×40	16	8010028413	111	59.6	34	47.5	56	5	100
63×25	16	8010028414	110	72.5	40	31.5	52.5	5	75
63×32	16	8010028415	115	72.5	40	38.5	57	5	70
63×40	16	8010028416	123.8	72.5	40	47.5	60.8	5	65
63×50	16	8010028417	134.5	72.5	40	59	66.3	5	50
75×32	16	8010028418	129	87.5	44.5	38.5	64	2	50
75×40	16	8010028419	137.8	87.5	44.5	47.5	67.8	2	50
75×50	16	8010028420	148	87.5	44.5	59	73.3	2	46
75×63	16	8010028421	159	87.5	44.5	72.5	81.3	2	40
90×40	16	8010028422	150	101	53	47.5	72.5	2	36
90×50	16	8010028423	160	101	53	59	79.6	2	32
90×63	16	8010028424	173	101	53	72.5	86.4	1	30
90×75	16	8010028425	185	101	53	85.4	91.5	1	25
110×50	16	8010028426	180	121.5	62	58.5	89.4	2	20
110×63	16	8010028427	195.5	121.5	62	72.5	97	2	16
110×75	16	8010028428	207	121.5	62	87.5	100.5	2	15
110×90	16	8010028429	221	122.5	62	101	110	2	13
125×50	16	8010028430	198.4	140.3	69.5	59.5	100	1	14
125×63	16	8010028431	211.7	140.3	69.5	72.7	106	1	13
125×75	16	8010028432	227	142.5	69.5	87.5	113	1	10
125×90	16	8010028433	241	142.5	69.5	105	123.3	1	10
125×110	16	8010028434	262.5	142.5	69.5	125	131.6	1	8
140×75	16	8010028435	243	159	77	87.2	120.5	1	6
140×90	16	8010028436	261.2	159	77	105	133	1	6
140×125	16	8010028437	292.5	159	77	142	146	1	5
160×110	16	8010028438	289	178.3	87	123.3	143.9	1	5
160×125	16	8010028439	320.4	177.6	90	140.3	151.4	1	4
160×140	16	8010028440	337.2	221	90	157.1	158.9	1	3
200×110	16	8010028664	337	221	111	125	165.4	1	3
200×125	16	8010028665	360.4	221	111	140.3	170.9	1	2
200×140	16	8010028666	377.2	221	111	157	178.4	1	2
200×160	16	8010028667	390	221	111	177.5	192.4	1	2
200×180	16	8011020692	420	225.2	108	202.3	198.4		
225×110	10	8011020693	372	251.8	119	121.5	179		
225×125	10	8010028668	390.3	247.4	119	140.3	185	1	1
225×140	10	8010028669	407	250.7	125	157.1	192.5	1	1
225×160	10	8011020694	422	251.8	119	177.5	207		
225×180	10	8011020695	448	251.8	119	202.3	212.5		
225×200	10	8011020696	462	251.8	119	225.5	228.5		
250×160	10	8010028670	448	275.8	135	177.5	218.8	1	1
250×200	10	8010028671	489	275.6	135	225.2	240.5	1	1

Cap, PVC-U, Metric

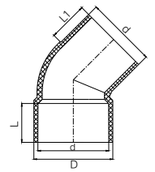




d (mm)	PN	Code	L (mm)	D (mm)	SP	GP
20	16	8010028443	23.5	26	30	2880
25	16	8010028444	27	31.5	30	1800
32	16	8010028445	32.5	38.7	20	960
40	16	8010028446	37.5	47.5	6	600
50	16	8010028447	43.5	59	20	340
63	16	8010028448	56	74	10	180
75	16	8010028449	65	87	8	120
90	16	8010028450	77	105	2	52
110	16	8010028451	84	128	4	60
125	16	8010028452	94	140	4	48
140	16	8010028453	103.8	164	1	30
160	16	8010028454	112	188	1	18
200	16	8010028455	111	221.2	1	8
225	10	8010028456	125	245.5	1	6

45°Single Socket Elbow, PVC-U, Metric

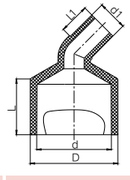




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028457	20	26.5	20.5	10	1080
25	16	8010028458	22	31.5	22.5	10	480
32	16	8010028459	25	39	25.5	10	360
40	16	8010028460	29	47.5	29.5	5	300
50	16	8010028461	34	59	34.5	4	192
63	16	8010028462	40	72.5	41	8	80
75	16	8010028463	45	85.4	46	7	70
90	16	8010028464	54	101	55	2	36
110	16	8010028465	62	122.5	93	2	20
125	16	8010028466	69.5	140.5	70.5	1	14
140	16	8010028467	77	156.5	78	1	10
160	16	8010028468	90	177.5	91	1	6

45°Single Socket Reducing Elbow, PVC-U, Metric

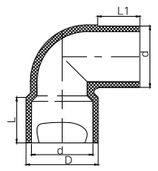




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×20	16	8010028469	24.7	31	20.5	10	840
32×20	16	8010028470	28	39	20.5	10	480
32×25	16	8010028471	28	39	22.5	10	480
40×20	16	8010028472	32.4	47.5	20.5	10	480
40×25	16	8010028473	32.4	47.5	22.2	7	336
40×32	16	8010028474	32.4	47.5	25.5	6	288
50×20	16	8010028475	32.4	59	20.5	5	240
50×25	16	8010028476	37.7	59	22.5	5	240
50×32	16	8010028477	37.7	59	25.5	3	180
50×40	16	8010028478	37.7	59	29.5	3	180

90°Single Socket Elbow, PVC-U ,Metric

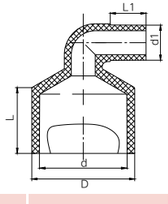




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028479	22.5	26.5	20.5	15	900
25	16	8010028480	24.4	31.5	22.5	10	480
32	16	8010028481	27.5	39	25.5	5	300
40	16	8010028482	32	47.5	29.5	5	240
63	16	8010028483	43.3	72.5	41	5	75
75	16	8010028484	48.5	85.4	46	4	48
90	16	8010028485	57.95	102	55	2	24
110	16	8010028486	66.6	122.5	63	2	14
125	16	8010028487	74.3	140.5	70.5	1	11
140	16	8010028488	83.2	156.5	78	1	8
160	16	8010028489	96.1	177.5	91	1	5

90°Single Socket Reducing Elbow, PVC-U, Metric

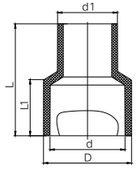




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×20	16	8010028490	24.7	31.5	20.5	10	600
32×20	16	8010028491	28	39	20.5	7	420
32×25	16	8010028492	28	39	22.5	6	360
40×20	16	8010028493	32.4	47.5	20.5	5	300
40×25	16	8010028494	32.4	47.5	22.5	6	288
40×32	16	8010028495	32.4	47.5	25.5	5	300
50×20	16	8010028496	37.7	59	20.5	5	240
50×25	16	8010028497	37.7	59	22.5	5	240
50×32	16	8010028498	37.7	59	25.5	3	180
50×40	16	8010028499	37.7	59	29.5	4	144

Single Socket Reducing Coupling, PVC-U, Metric

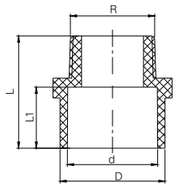




dXd1 (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×20	16	8010028500	50	31.5	24.3	10	540
32×20	16	8010028501	56	39	27.5	10	600
32×25	16	8010028502	56	39	27.5	8	576
40×20	16	8010028503	63	47.5	29	10	480
40×25	16	8010028504	63.5	47.5	31.9	10	180
40×32	16	8010028505	64	47.5	31.8	10	180
50×20	16	8010028506	71	59	37.3	6	360
50×25	16	8010028507	72.5	59	37.3	5	300
50×32	16	8010028508	73.5	59	37.3		
50×40	16	8010028509	75	59	37.3		
63×25	16	8010028510	81.5	72.5	43.3		
63×32	16	8010028511	82.6	72.5	43.3		
63×40	16	8010028512	84	72.5	43.3	12	216
63×50	16	8010028513	86	72.5	43.3	12	156
75×32	16	8010028514	93	85.4	49		
75×40	16	8010028515	95	85.4	49	10	150
75×50	16	8010028516	95.8	85.4	49	10	150
75×63	16	8010028517	98	85.4	47.9	10	150
90×50	16	8010028518	111	101	59.5	4	80
90×63	16	8010028519	114	101	59.5		
90×75	16	8010028520	115	101	59.5		

Male Adapter, PVC-U, Metric



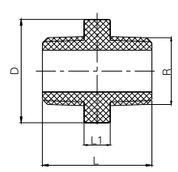


dXR (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010028527	40	26.5	20	20	1680
25×3/4 "	16	8010028528	43.5	31.5	22	20	960
32×1 "	16	8010028529	51.5	38.7	25	9	600
40×1-1/4 "	16	8010028530	54.2	47.5	27	6	360
50×1-1/2 "	16	8010028531	62.5	58.5	34	15	255
63×2 "	10	8010028532	76	72	40	10	140
75×2-1/2 "	10	8010028533	90	85.4	47	6	120
90×3 "	10	8010028534	102	101	52.6	8	80
110×4 "	10	8010028535	109	125	62	4	36
★ 25×1/2 "	16	8010028536	42	31.5	22	15	1080
★ 32×1/2 "	16	8010028537	46	38.7	25	15	720
★ 32×3/4 "	16	8010028538	47	38.7	25	10	600

NOTES：Those marked "★" are reducing male adapters.

Double Male Adapter, PVC-U, Metric

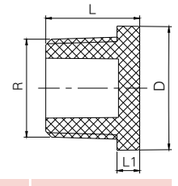




R (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
1/2 "	16	8010028539	33.5	31.6	8	20	2160
3/4 "	16	8010028540	38	38	9	20	1440
1 "	16	8010028541	43.2	45.6	10	10	600
1-1/4 "	16	8010028542	52	50	10	8	384
1-1/2 "	16	8010028543	53	50	11	5	240
2 "	16	8010028544	64	55	12	5	240

Male Plug, PVC-U, Metric

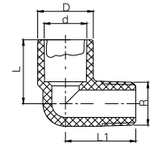




R (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
1/2 "	16	8010028545	21.6	26.4	5	25	3600
3/4 "	16	8010028546	24.8	32.7	6	20	1920
1 "	16	8010028547	27.7	40.8	7.1	20	1200
1-1/4 "	16	8010028548	28.5	50.3	7.5	50	600
1-1/2 "	16	8010028549	29	50	8	10	480
2 "	16	8010028550	35	63	7	5	240

Female Elbow, PVC-U, Metric



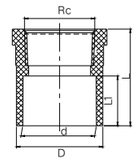


dXR (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010028521	30.5	26.5	33.5	15	1260
25×3/4 "	16	8010028522	33	31.5	36	10	840
32×1 "	16	8010028523	41.5	38.7	46	7	420
★ 25×1/2 "	16	8010028524	30.5	31.5	36	10	600
★ 32×1/2 "	16	8010028525	35.5	38.7	40	10	480
★ 32×3/4 "	16	8010028526	38.5	38.7	40	6	360

NOTES：Those marked "★" are reducing female elbows.

Female Adapter, PVC-U, Metric

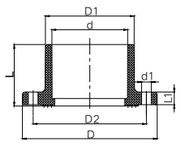




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
50×1-1/2 "	16	8010028551	66	59	34	13	195
63×2 "	10	8010028552	75.5	72.5	40	4	72
75×2-1/2 "	10	8010028553	90	87	47	4	60
90×3 "	10	8010028554	100.5	104	54	2	45
110×4 "	10	8010028555	117.6	125	62	2	24

Flange, PVC-U, Metric

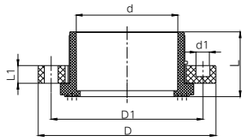




d (mm)	PN	Code	L (mm)	D (mm)	D1 (mm)	D2 (mm)	L1 (mm)	d1 (mm)	SP	GP
63	10	8010028579	50	165	72.5	125	20	18	2	30
75	10	8010028580	65	181.5	91	140	19	18	2	20
90	10	8010028581	66	200	100	160	20	18	2	15
110	10	8010028582	87	212	131	180	24.5	20	2	18
125	10	8010028583	100	245	147	210	22.5	18	1	12
140	10	8010028584	114	250	164.5	210	23.5	18	1	8
160	10	8010028585	120	286	187	240	26	20	1	6
180	10	8010028586	125	315	208.6	270	25.5	22	1	4
200	10	8010028587	127	345	221.5	295	28	24.5	1	4
225	10	8010028588	130	365	257.8	325	29.5	22	1	3

Socket Flange, PVC-U, Metric

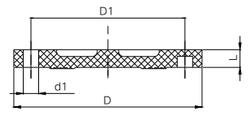




d (mm)	PN	Code	L (mm)	D (mm)	D1 (mm)	L1 (mm)	d1 (mm)	SP	GP
63	10	8010028589	43	163	121	21	18	2	30
75	10	8010028590	49.8	184	145	24	18	2	22
90	10	8010028591	54.5	199.5	160	26.5	18	2	15
110	10	8010028592	63	230	180	28	18	2	20
125	10	8010028593	75.5	245	210	30	18	1	8
140	10	8010028594	83	250	210	21	18	1	12
160	10	8010028595	102.5	281	240	22	22	1	8
180	10	8010028596	107	315	270	28	22		
200	10	8010028597	122.5	345	295	27.5	22	1	4
225	10	8010028598	139	345	295	27.5	22	1	3
250	10	8010028599	153	395	350	27.5	22	1	2

Blind Flange, PVC-U, Metric

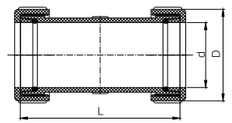




d (mm)	PN	Code	D (mm)	D1 (mm)	d1 (mm)	L1 (mm)	SP	GP
110	10	8010028600	220	180	18	20.7	2	22
125	10	8010028601	245	210	18	21.5	2	18
140	10	8010028602	250	210	18	23		
160	10	8010028603	285	240	22	28.3	2	12
180	10	8010028604	315	270	22	24.5		
200	10	8010028605	340	295	22	31.8	1	7
225	10	8010028606	365	325	22	28.5		

Union, PVC-U, Metric

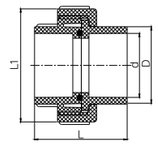




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028570	89	44.5	4	4	132
25	16	8010028571	108.5	48.7	4	4	112
32	16	8010028572	112.5	58.8	2	2	72
40	16	8010028573	129	66	2	2	40
50	16	8010028574	137.5	76.1	2	2	60
63	10	8010028575	152.6	89.1	2	2	45
75	10	8010028576	192	106	2	2	28
90	10	8010028577	225	129	2	2	14
110	10	8010028578	248	154	2	2	8

Union, PVC-U, Metric

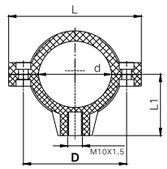




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028556	52.2	27	50	7	420
25	16	8010028557	56.8	32	55	5	300
32	16	8010028558	63.7	40	65.5	5	180
40	16	8010028559	69	49.3	78	10	100
50	16	8010028560	78.5	61	90	5	70
63	10	8010028561	98.5	76.5	112	5	35
75	10	8010028562	109	91	133	12	36
90	10	8010028563	128	110	159	12	16
110	10	8010028564	132	120	187	1	12

Pipe Clamp I

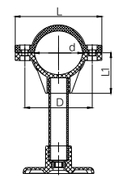




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	GP
50	8010028625	90	70	41.5	200
63	8010028626	105.3	84.5	50	150
75	8010028627	118	98	55	130
90	8010028628	138	114.8	67.5	150
110	8010028629	156	137	75	140
125	8010028630	179	158	84	112

Pipe Clamp III

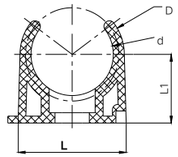




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	GP
50	8010028631	89.3	69.5	41.8	200
63	8010028632	106	86	49.2	170
75	8010028633	119	98.5	53.2	140
90	8010028634	138.8	118.3	63.8	80
110	8010028635	157.5	137.5	75.5	130

Saddle Shaped Pipe Clamp, PVC-U, Metric

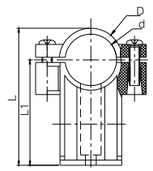




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	8010028636	25.7	25	16.5	30	3960
25	8010028637	31.5	30.4	20	30	2880
32	8010028638	39	37	24	20	2160
40	8010028639	48	47	28.5	20	1200
50	8010028640	60.2	56.6	37	15	900

High Pin Pipe Clamp（I）, PVC-U, Metric

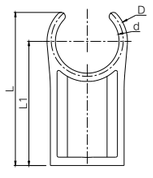




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	8010028641	53.3	24.6	41	30	1680
25	8010028642	60.8	29.6	46	20	1200
32	8010028643	69	36	50.5	15	900
40	8010028644	77.5	46	54.5	10	480
50	8010028645	88	57	59.5	8	384
60	8010028646	101.5	71	66	5	300

High Pin Pipe Clamp（II）, PVC-U , Metric

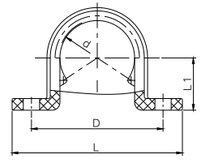




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	8010028647	45.7	24	37	20	2160
25	8010028648	51.5	30	42	20	1440
32	8010028649	57	37.5	45.5	20	960
40	8010028650	62	47	47	10	720
50	8010028651	69.3	56.5	53	9	648
63	8010028652	78	70	60	6	432

U-Shaped Pipe Clamp, PVC-U ,Metric

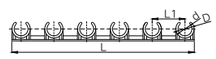




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	8010028653	44	34	13.5	20	4800
25	8010028654	50.5	40.5	17	20	2880
32	8010028655	57	47	20	20	2400

Row Type Pipe Clamp, PVC-U, Metric

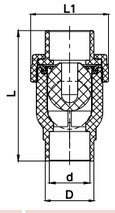




d (mm)	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	8010028656	250.7	25	45	10	400
25	8010028657	281.5	30.4	50	10	250
32	8010028658	340	38	60	10	200

Single Ball Check Valve PVC-U, Metric, EPDM

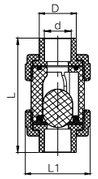




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	10	8010028767	92.5	27.4	52.3	6	108
25	10	8010028768	100.5	34.8	61	4	72
32	10	8010028769	117.8	45	72	2	36
40	10	8010028770	138	52	82	2	36
50	10	8010028771	161	60	96	1	25
63	10	8010028772	177.5	75	109	1	16

True Union Ball Check Valve PVC-U, Metric, EPDM

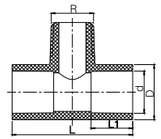




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	10	8010028761	100	27.4	52.3	2	84
25	10	8010028762	107.5	34.8	61	2	48
32	10	8010028763	125.3	45	72	2	50
40	10	8010028764	146	52	82	2	32
50	10	8010028765	168	60	96	1	24
63	10	8010028766	184.5	75	109	1	12

Male Tee, PVC-U, Metric

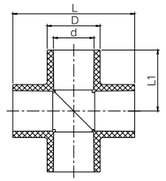




dXR (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2"	16	8010028441	58	26.5	20	10	840

Cross, PVC-U, Metric

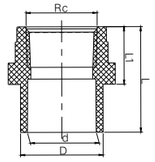




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028442	61	29	30.5	10	480

Female Adapter（With Stainless Steel Hoop）

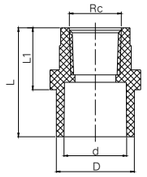




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2"	16	8010029450	41	26.5	25	15	1080
25×3/4"	16	8010029451	45	31.5	25.5	10	840
32×1"	16	8010029452	49.5	38.7	27	7	420
40×1-1/4"	16	8010029453	57	47.5	31.8	6	288

Female Reducing Adapter（With Stainless Steel Hoop）

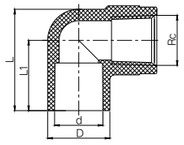




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2"	16	8010029447	44	31.5	25	10	960
32×1/2"	16	8010029448	48	38.7	25	15	720
32×3/4"	16	8010029449	49	38.7	26	10	600

Female Elbow（With Stainless Steel Hoop）

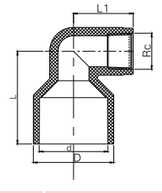




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2"	16	8010029434	42.6	26.1	29.5	10	960
25×3/4"	16	8010029435	51.2	31.3	35.5	10	600
32×1"	16	8010029436	61.4	38.7	42	5	300

Female Reducing Elbow（With Stainless Steel Hoop）

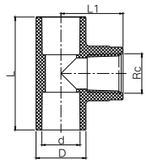




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2"	16	8010029441	43	31.5	29	10	600
32×1/2"	16	8010029442	48	38.7	33.7	7	420
32×3/4"	16	8010029443	51.5	38.7	33	5	360
40×3/4"	16	8010029437	56.4	47.5	38.8	5	240
40×1"	16	8010029444	58	47.5	43.7	3	180
50×3/4"	16	8010029446	68	59	43.75	3	144
50×1"	16	8010029445	69.4	59	43.7	3	144

Female Tee（With Stainless Steel Hoop）

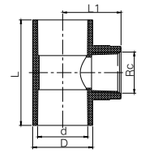




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010029431	60	26.5	33	10	600
25×3/4 "	16	8010029432	66	32	39	7	420
32×1 "	16	8010029433	78	40	49	4	240

Female Reducing Tee（With Stainless Steel Hoop）

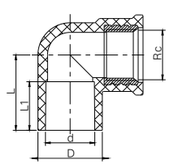




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2 "	16	8010029438	63	31.5	29.5	9	540
32×1/2 "	16	8010029439	70	38.7	37.5	5	360
32×3/4 "	16	8010029440	68	38.7	37.6	5	300

Metallic Female Thread Elbow

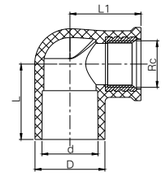




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010029457	31	26.5	20	10	480
25×3/4 "	16	8010029458	35	31.5	22	7	252
32×1 "	16	8010029459	42	38.7	25	5	150

Metallic Female Thread Reducing Elbow

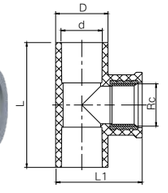




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2 "	16	8010029463	34	31.5	32	10	360
32×1/2 "	16	8010029464	34.75	38.7	35.25	10	240
32×3/4 "	16	8010029465	37	38.7	38	5	180

Metallic Female Thread Tee

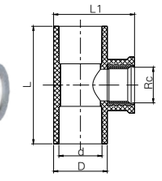




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010029454	62	26	43	10	300
25×3/4 "	16	8010029455	71.5	31.5	49.5	5	150
32×1 "	16	8010029456	80	38.7	59.35	5	120

Metallic Female Thread Reducing Tee

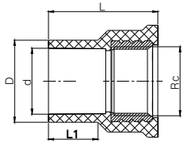




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2 "	16	8010029460	69	31.5	47.5	7	210
32×1/2 "	16	8010029461	70	38.7	54.4	5	180
32×3/4 "	16	8010029462	75	38.7	56.6	5	120

Metallic Female Thread Adapter

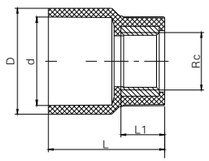




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20×1/2 "	16	8010029469	36	26	18	15	720
25×3/4 "	16	8010029470	42	31.5	19	10	360
32×1 "	16	8010029471	48	38.7	22	5	210
40×1-1/4 "	16	8010029472	69	47.5	22.3	4	72
50×1-1/2 "	16	8010029473	71.5	59	26	3	54
63×2 "	10	8010029474	85	72.5	35.8	2	36
75×2-1/2 "	10	8010029475	98	85.5	41.8	2	24

Metallic Female Thread Reducing Adapter

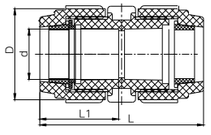




dXRc (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
25×1/2 "	16	8010029466	37.4	31.5	16	15	540
32×1/2 "	16	8010029467	42.5	38.7	16	13	390
32×3/4 "	16	8010029468	45	38.7	18	9	270

Telescoping Union



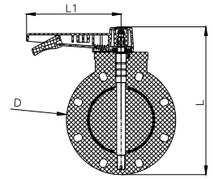


d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
20	16	8010028565	82	42.5	39.9	6	288
25	16	8010028566	92	50.5	44.6	5	240
32	16	8010028567	105	58.8	51	2	96
40	16	8010028568	116	70	55.8	2	56
50	16	8010028569	130	82	62	2	32

PVC-U Butterfly Valves

Butterfly Valve（Handle Type）PVC-U ,Metric, EPDM

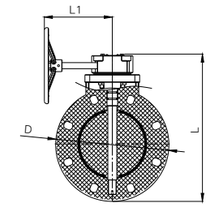




d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
110(DN100)	10	8010028773	333.5	228	300	1	1
160(DN150)	10	8010028774	397	285	300	1	1
200(DN200)	10	8010028775	469	347	300	1	1

Butterfly Valve（Worm Gear Type）PVC-U, Metric, EPDM





d (mm)	PN	Code	L (mm)	D (mm)	L1 (mm)	SP	GP
110(DN100)	10	8010028776	310	228	133.5	1	1
160(DN150)	10	8010028777	310	352	211	1	1
200(DN200)	10	8010028778	452.5	347	211	1	1

ASTM STANDARD

PVC SCH80 PIPING SYSTEMS

High pressure rating High quality

The American National Standards (ANSI) PVC pipes and fittings strictly meet ASTM D1785 and ASTM D2467, are characterized by easy and quick installation, corrosion resistance and acid and alkali resistance, and can replace metal pipes in some applications. The operating temperature of the product is -5℃~+45℃; this product can greatly improve the impact strength, modulus and flame-retardant performance, can be used in petroleum and chemical industry as well as power, electronics, electroplating, paper, printing and dyeing, metallurgy, mining and other industries for pressure transportation to improve industrial productivity and efficiency.

Corrosion resistance

Aging resistance

Easy installation

High pressure rating



Basic Physical Properties

Characteristics	Units	Standard Value	Test method
Density	Kg/m3	1350~1460	ISO 1183
VICAT Softening Point	℃	Pipes ⩾80，Fittings ⩾74	ISO2507
Tensile Strength	MPa	⩾40	ISO6259
Charpy Impact Strength	KJ/m2	>6 （23℃）	ISO 179
Longitudinal Reversion	%	⩽5	ISO 2505
Falling impact (℃)	TIR	⩽10%	ISO3127

General Applications



- Waste incineration and domestic sewage treatment plant
- Chlor-alkali Industry
- Leather and paper making
- Electronics and electroplating industry

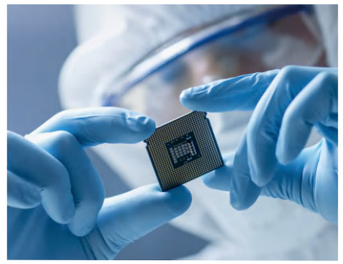


- Industrial water supply treatment
- Industrial wastewater treatment
- Bathrooms and swimming pools



- Chemical industry
- Mining industry
- Food and Beverage Industry
- Drinking water preparation industry







Product Advantages

1 Chemical Resistance

PVC-U piping systems have good chemical resistance,especial in acids, bases and salts, not corroded by corrosive soil or various water qualities.

2 Cost Effective

PVC-U piping systems are lightweight, with complete accessories and flexible, making it lower in installation cost compared to other pipeline systems.

3 High Strength

PVC-U products are highly resilient, tough and durable with high tensile and high impact strength.

4 Easy Installation

There are many joint methods, such as solvent cement, threaded, flanged, & hot air welding.

5 Low Friction

The smooth interior surfaces of PVC-U assure low friction loss and high flow rate. Additionally,since PVC-U pipe will not rust, pit,scale, or corrode, the high flow rate will be maintained for the life of the piping system.

6 Light Weight

PVC-U pipe is light in weight (approximately one-half the weight of aluminum and one-sixth the weight of steel) reducing transportation, handling, and installation cost.

7 Low Thermal Conductivity

PVC-U pipe has a much lower thermal conductivity factor than metal pipe. Therefore, fluids being piped maintain a more constant temperature. In most cases, pipe insulation is not required.

8 Long Life

The recommended temperature for use is within 45 ℃, with a maximum temperature not exceeding 60 ℃. When transporting chemical media, reference should be made to theparameters of chemical corrosion resistance for selection.

9 Maintenance Free

PVC-U pipeline system will never rust and will not corrode or scale inside. As long as the pipeline system is designed and installed correctly, it can be used for a long time without faults.

PRECAUTIONS

* PVC-U pipes cannot be used to compress air or other gas conveying.
* Do not throw, defile, press ure and damage when tran sporting and loading.
* Do not use compressed air or gas mixture for pressure test.
* Do not expose the product for the storage of the product, stay away from the heat source when stacked, and the height of the stacking height does not exceed 2 meters.

Comparison Table For Size Specifications Of Commonly Used Plastic Pipes

VULGO	Inch	NOMINAL DIAMETER	METR DIN OD	ASTM ANSI/SCH80 /SCH40 AVG OD	JIS	
					OD	SPECS
4分	1/2"	DN15	20	21.3	22	16A
6分	3/4"	DN20	25	26.7	26	20A
1寸	1"	DN25	32	33.4	32	25A
1.2寸	1-1/4"	DN32	40	42.2	38	30A
1.5寸	1-1/2"	DN40	50	48.3	48	40A
2寸	2"	DN50	63	60.3	60	50A
2.5寸	2-1/2"	DN65	75	73.0	76	65A
3寸	3"	DN80	90	88.9	89	75A
4寸	4"	DN100	110	114.3	114	100A
5寸	5"	DN125	140	141.3	140	125A
6寸	6"	DN150	160	168.3	165	150A
8寸	8"	DN200	225	219.1	216	200A
10寸	10"	DN250	280	273.1	267	250A
12寸	12"	DN300	315	329.9	318	300A
14寸	14"	DN350	355	355.6		
16寸	16"	DN400	400	406.4		
18寸	18"	DN450	450	457.2		
20寸	20"	DN500	500	508.0		
24寸	24"	DN600	630	609.6		

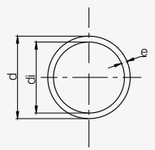
ASTM PVC-U Pipes

• Pipes

NOTES: Those markede "✱" are awaiting production

Schedule 80 PVC Presssure Pipes, Standard Length 4m

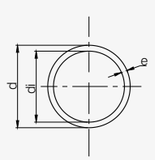




inch	OD Inch(mm)	Code	Min Wall Thickness Inch(mm)	Pressure (psi)	SP (m)
1/2"	0.840(21.34)	8010014203	0.147(3.73)	850	100
3/4"	1.050(26.67)	8010014204	0.154(3.91)	690	80
1"	1.315(33.40)	8010014205	0.179(4.55)	630	40
1-1/4"	1.660(42.16)	8010014104	0.191(4.85)	520	40
1-1/2"	1.900(48.26)	8010014105	0.200(5.08)	470	20
2"	2.375(60.32)	8010013734	0.218(5.54)	400	12
2-1/2"	2.875(73.02)	8010014106	0.276(7.01)	420	8
3"	3.500(88.90)	8010013735	0.300(7.62)	370	4
4"	4.500(114.30)	8010013736	0.337(8.56)	320	4
5"	5.563(141.30)	8010014107	0.375(9.52)	290	4
6"	6.625(168.28)	8010014108	0.432(10.97)	280	4

Schedule 40 PVC Presssure Pipes, Standard Length 4m





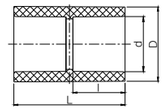
inch	OD Inch(mm)	Code	Min Wall Thickness Inch(mm)	Pressure (psi)	SP (m)
✱ 1/2"	0.840(21.34)		0.109（2.77）	600	100
✱ 3/4"	1.050(26.67)		0.113（2.87）	480	80
✱ 1"	1.315(33.40)		0.133（3.38）	450	40
✱ 1-1/4"	1.660(42.16)		0.140（3.56）	370	40
✱ 1-1/2"	1.900(48.26)		0.145（3.68）	330	20
✱ 2"	2.375(60.32)		0.154（3.91）	280	12
✱ 2-1/2"	2.875(73.02)		0.203（5.16）	300	8
✱ 3"	3.500(88.90)		0.216（5.49）	260	4
✱ 4"	4.500(114.30)		0.237（6.02）	220	4
✱ 5"	5.563(141.30)		0.258（6.55）	190	4
✱ 6"	6.625(168.28)		0.280（7.11）	180	4

Schedule 80 PVC-U Pressure Fittings

• Fittings

Soc: Slovent Weld Socket
Spig: Spigot End
Mpt: Male Pipe Thread
Fpt: Female Pipe Thread

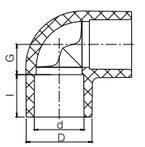




Coupling(Soc×Soc)

Size	Code	D (mm)	L (mm)	I (mm)	SP	GP
1/2"	8010028894	48	22.3	30.5	70	420
3/4"	8010028895	54.2	25.4	36.2	40	240
1"	8010028896	60.6	28.6	44.5	40	240
1-1/4"	8010028897	67	31.8	54	15	90
1-1/2"	8010029340	73.4	35	59.5	15	90
2"	8010028898	79.6	38.1	72.6	8	48
2-1/2"	8010028899	94.8	44.5	88.5	6	36
3"	8010028900	101	47.7	105.7		25
4"	8010028901	120	57.2	133		18
6"	8010029341	160	72.6	192.5		4
8"	8010029342	210.6	101.6	247		3
10"	8010029343	261.4	127	306.5		2
12"	8010029344	315	152.4	362		1



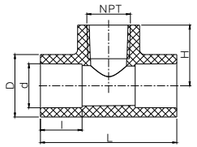


90°Elbow（Soc×Soc）

Size	Code	D (mm)	I (mm)	G (mm)	SP	GP
1/2"	8010028798	30.5	22.3	14.2	50	300
3/4"	8010029161	36.2	25.4	16.6	25	150
1"	8010029162	44.5	28.6	20.4	25	150
1-1/4"	8010029163	54	31.8	25	10	60
1-1/2"	8010028799	60	35	28	10	60
2"	8010029164	73	38.1	34.4	5	30
2-1/2"	8010028800	88.5	44.5	42		21
3"	8010028801	105.7	47.7	50.3		12
4"	8010028802	133	57.2	63.8		6
6"	8010028803	192.5	76.2	92.8		4
8"	8010029165	247	101.6	119.4		2

Female Tee（Soc×Fpt×Soc）

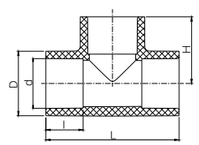




Size	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
1/2"	8010028820	32.5	72	22.3	33	30	180
3/4"	8010028821	38.1	83.2	25.4	37	30	180
1"	8010028822	44.5	97	28.6	46	15	90
1-1/2"	8010029199	60.7	120	35	58	10	60
2"	8010029200	73.8	144	38.1	62	5	30

Tee（Soc×Soc×Soc）

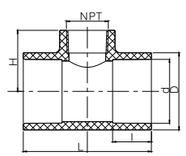




Size	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
1/2"	8010028885	31.5	73	22.3	36.5	30	180
3/4"	8010028886	37.2	84	25.4	42	25	150
1"	8010028887	45.5	98	28.6	49	15	90
1-1/4"	8010028888	55	113.6	31.8	56.8	10	60
1-1/2"	8010028889	60.3	123	35	63	8	48
2"	8010028890	73.4	145	37.1	72.5		24
2-1/2"	8010028891	88.5	173	44.5	86.5		15
3"	8010028892	105.7	196	47.7	98		8
4"	8010028893	133	242	57.2	121		5
6"	8010029337	192.5	338	76.2	169		2
8"	8010029338	247	442	101.6	221		1

Female Reducing Tee(Soc×Fpt×Soc）

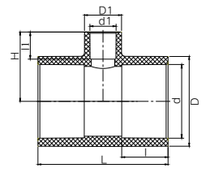




dxNPTxd (Inch)	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
2"X1-1/2"X2"	8010029306	73.8	142	38.1	64		15
2-1/2"X1-1/2"X2-1/2"	8010029307	88.5	147	44.5	70		15

Reducing Tee（Soc×Soc×Soc）

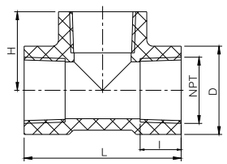




dxd1	Code	D (mm)	D1 (mm)	L (mm)	H (mm)	I (mm)	I1 (mm)	SP	GP
3/4"X1/2"	8010029308	37.2	31.5	79.4	39.5	25.4	22.3	25	150
1"X1/2"	8010029309	44.5	30.5	85.2	43.3	28.6	22.3	15	90
1"X3/4"	8010028879	44.5	36.2	91.2	46.4	28.6	25.4	20	120
1-1/4"X1"	8010029310	54	44.5	103.6	53.1	31.8	28.6	10	60
1-1/2"X3/4"	8010029311	60.7	36.2	104	51.6	35	25.4		20
1-1/2"X1"	8010029312	60.7	44.5	110	58	35	28.6	10	60
2"X1/2"	8010029313	73.8	30.5	107	57	38.1	22.3		15
2"X3/4"	8010029314	73.8	36.2	111.5	60	38.1	25.4		15
2"X1"	8010029315	73.8	44.5	120	64	38.1	28		15
2"X1-1/4"	8010029316	73.8	52.1	126.2	65.8	38.1	31.8		15
2"X1-1/2"	8010029317	73.8	60.7	135.2	69.5	38.1	35		15
2-1/2"X1-1/4"	8010029318	88.5	54	141	73.8	44.5	31.8		15
2-1/2"X1-1/2"	8010029319	88.5	60.7	151	80	44.5	35		13
2-1/2"X2"	8010029320	88.5	73.8	162	82.5	44.5	38.1		36
3"X1-1/2"	8010029321	105.7	60.7	154.2	87.4	47.7	35		10
3"X2"	8010028880	105.7	73.8	170	88	47.7	38.1		13
4"X2"	8010028881	133	105.7	224	117	57.2	47.7		7
4"X3"	8010029322	133	105.7	224	117	57.2	47.7		5
6"X3"	8010029323	192.5	109.7	257.2	140	76.2	47.7		3
8"X6"	8010029324	247	192.5	400	199	101.6	76.2		2

Female Tee（Fpt×Fpt×Fpt）

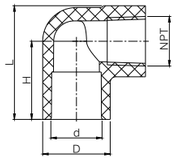




Size	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
1/2"	8010028850	32.5	63.4	19	31.7	35	210
3/4"	8010028851	38.1	72	20.5	36	20	120
1"	8010028852	46	88.2	25	44.1	15	60
1-1/4"	8010028853	56	99.6	26	49.8	10	60
1-1/2"	8010028854	63.5	108	26	54	9	54
2"	8010028855	76.2	122	27	61		30
2-1/2"	8010029270	91	160	37	80		25
3"	8010029271	109.3	184	40	92		8
4"	8010029272	138	216	42	108		5

90°Female Elbow（Soc×Fpt）

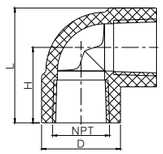




dXNPT (Inch)	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"X1/2"	8010029194	30.5	50.95	34.7	30	180
3/4"X3/4"	8010028813	36.2	60.95	41.9	45	270
1"X1"	8010029195	44.5	69.3	46.3	20	120
1-1/4"X1-1/4"	8010029196	54	83.8	55.8	10	60
1-1/2"X1-1/2"	8010029197	60.7	92.75	61	15	90
2"X2"	8010028814	73.8	109.1	71		35

90°Female Elbow（Fpt×Fpt）

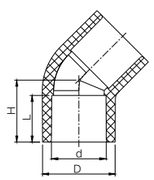




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"	8010028858	32.5	47.9	31.7	55	330
3/4"	8010028859	38.1	54.9	31	30	180
1"	8010028860	46	67	44	25	150
1-1/4"	8010028861	56	77.7	49.7	15	90
1-1/2"	8010028862	63.5	85.8	54	9	54
2"	8010028863	76.2	99.1	61	7	42
2-1/2"	8010028864	91	125	80		22
3"	8010029282	109.3	146.6	92		9
4"	8010029283	138	177	108		9

45°Elbow（Soc×Soc）

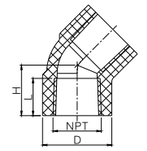




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"	8010029151	30.5	22.3	22.3	50	300
3/4"	8010029152	36	25.4	25.4	35	210
1"	8010028793	44.5	28.6	28.6	30	180
1-1/4"	8010028794	31.8	53	53	20	120
1-1/2"	8010029153	59.7	35	35	10	60
2"	8010028795	38.1	72.8	72.8	8	48
2-1/2"	8010028796	44.5	88.5	88.5		25
3"	8010029154	105.7	47.7	47.7		16
4"	8010028797	133	57.2	57.2		12
6"	8010029155	192.5	76.2	76.2		2

45°Female Elbow（Fpt×Fpt）

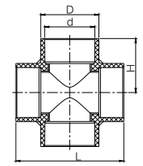




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"	8010028856	32.5	19	25.2	60	360
3/4"	8010029273	38.1	20.5	27.8	40	240
1"	8010029274	46	25	34	20	120
1-1/4"	8010029275	56	26	35.7	12	720
1-1/2"	8010029276	63.5	26	40	10	60
2"	8010028857	76.2	30	43.3	6	36
2-1/2"	8010029277	91	37	60		15
3"	8010029278	109.3	40	64		9
4"	8010029279	138	42	72		6

Cross（Soc×Soc×Soc×Soc）

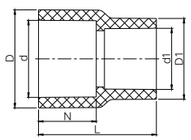




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
3"	8010029266	105.7	196	98		15
4"	8010029267	133	247	123.5		3

Reducing Coupling（Soc×Soc）

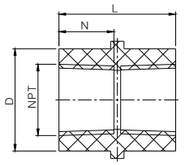




dXd1 (Inch)	Code	D (mm)	D1 (mm)	L (mm)	N (mm)	SP	GP
3/4"X1/2"	8010029325	36.2	30.5	51.1	25.4	50	300
1"X1/2"	8010028882	44.5	30.5	56.5	28.6	35	210
1"X3/4"	8010029326	44.5	36.2	57.4	28.6	25	150
1-1/4"X1/2"	8010029327	54	30.5	66.1	31.8	25	150
1-1/4"X3/4"	8010029328	54	36.2	66.8	31.8	25	150
1-1/4"X1"	8010029329	54	44.5	64.9	31.8	25	150
1-1/2"X3/4"	8010029330	60.7	36.2	73	35	15	90
1-1/2"X1"	8010029331	60.7	44.56	73	35	10	60
1-1/2"X1-1/4"	8010029332	60.7	54	71.8	35	10	60
2"X1-1/2"	8010029333	73.8	60.7	81.5	38.1	10	60
3"X2"	8010028883	105.7	73.8	102.3	47.7	5	30
4"X3"	8010029334	133	105.7	121.9	57.2		13
6"X4"	8010028884	192.5	133	168.4	76.2		6
8"X6"	8010029335	247	192.5	217.8	101.6		4

Female Coupling（Fpt×Fpt）

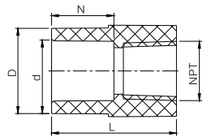




Size	Code	D (mm)	L (mm)	N (mm)	SP	GP
1/2"	8010028866	32.5	40.5	19	70	420
3/4"	8010028867	38.1	43.5	20.5	50	300
1"	8010028868	46	53.2	25	40	240
1-1/4"	8010029289	56	56	26	20	120
1-1/2"	8010028869	63.5	57	26	24	144
2"	8010028870	76.2	59	27	10	60
2-1/2"	8010029290	91	79	37	8	48
3"	8010029291	109	85	40	8	48
4"	8010029292	138	89	42		10

Female Adapter（Soc×Fpt）

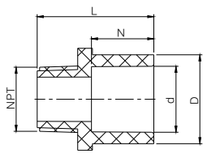




dXNPT (Inch)	Code	D (mm)	L (mm)	N (mm)	SP	GP
1/2"X1/2"	8010029253	32.5	44.7	22.3	60	360
3/4"X3/4"	8010028838	36.2	49.3	25.4	40	240
1"X1"	8010028839	44.5	57	28.6	40	240
1-1/4"X1-1/4"	8010029254	54	61.2	31.8	20	120
1-1/2"X1-1/2"	8010028840	60.7	64	35	12	72
2"X2"	8010028841	73.8	68.1	38.1	7	42
2-1/2"X2-1/2"	8010029255	88.5	85.5	44.5	5	30
3"X3"	8010028842	105.7	92.7	47.7		24
4"X4"	8010029256	133	104.2	57.2		10

Male Adapter（Soc×Mpt）

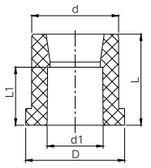




dXNPT (Inch)	Code	D (mm)	L (mm)	N (mm)	SP	GP
1/2"X1/2"	8010029303	30.5	43.6	22.3	70	420
3/4"X3/4"	8010028873	36.2	47.5	25.4	50	300
1"X1"	8010028874	44.5	54.2	28.6	35	210
1-1/4"X1-1/4"	8010028875	54	57.4	31.8	30	180
1-1/2"X1-1/2"	8010028876	60.7	66.5	35	20	120
2"X2"	8010028877	73.8	71.1	38.1	10	60
2-1/2"X2-1/2"	8010029304	88.5	88.3	44.5	6	36
3"X3"	8010028878	105.7	94.7	47.7	8	48
4"X4"	8010029305	133	107.2	57.2	4	24

Reducing Bushing（Spig×Soc）

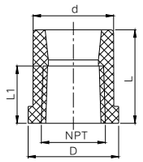




dXd1 (Inch)	Code	D (mm)	L (mm)	L1 (mm)	SP	GP
3/4"X1/2"	8010029171	30	31	22.3	80	480
1"X1/2"	8010028804	38	35	22.3	70	420
1"X3/4"	8010029172	38	35	25.4	60	360
1-1/4"X1/2"	8010029173	45	37.5	22.3	50	300
1-1/4"X3/4"	8010028805	45	37.5	25.4	40	240
1-1/4"X1"	8010029174	45	39.3	28.6	30	180
1-1/2"X1/2"	8010029175	53	42.7	22.3	30	180
1-1/2"X3/4"	8010028806	53	42.7	25.4	30	180
1-1/2"X1"	8010028807	53	42.7	28.6	25	150
1-1/2"X1-1/4"	8010029176	53	41	31.8	25	150
2"X1/2"	8010029177	61	46.3	22.3	25	150
2"X3/4"	8010028808	61	46.3	25.4	24	144
2"X1"	8010028809	61	46.3	28.6	24	144
2"X1-1/4"	8010029178	61	46.3	31.8	15	90
2"X1-1/2"	8010029179	63	45.1	35	15	90
2-1/2"X1"	8010029180	74.4	51.5	28.6	10	60
2-1/2"X1-1/4"	8010029181	74.4	51.5	31.38	10	60
2-1/2"X1-1/2"	8010029182	74.4	51.5	35	10	60
2-1/2"X2"	8010028810	76	51.5	38.1	18	108
3"X1"	8010028811	92	55.7	28.6	12	72
3"X1-1/2"	8010029183	92	55.7	35	12	72
3"X2"	8010028812	94	55.7	38.1	12	72
3"X2-1/2"	8010029184	94	55.7	44.5	12	72
4"X2"	8010029185	120.6	66.2	38.1	9	54
4"X2-1/2"	8010029186	118.4	66.2	44.5	9	54
4"X3"	8010029187	120.6	66.2	47.7	9	54
6"X2"	8010029188	175	88.2	38.1		9
6"X3"	8010029189	175	88.2	47.7		8
6"X4"	8010029190	175	88.2	57.2		9
8"X6"	8010029191	226	113.6	76.2		12
10"X6"	8010029192	280	140	76.2		4
10"X8"	8010029193	280	136	101.6		4

Female Reducing Bushing（Spig×Fpt）

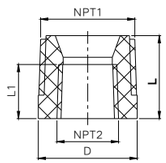




dxNPT	Code	D (mm)	L (mm)	L1 (mm)	SP	GP
3/4"X1/2"	8010028832	30	31	19	130	780
1"X1/2"	8010029222	38	35	19	60	360
1"X3/4"	8010029223	38	35	20.5	60	360
1-1/4"X1/2"	8010029224	45	38.5	19	50	300
1-1/4"X3/4"	8010029225	45	39.3	20.5	40	240
1-1/4"X1"	8010029226	45	39.3	25	30	180
1-1/2"X1/2"	8010029227	53	42	19	30	180
1-1/2"X3/4"	8010029228	52	42	20.5	25	150
1-1/2"X1"	8010029229	53	42	25	25	150
1-1/2"X1-1/4"	8010029230	52	42	26	25	150
2"X1/2"	8010029231	63	45.1	19	25	150
2"X3/4"	8010029232	63	45.1	20.5	20	120
2"X1"	8010029233	63	45.1	25	20	120
2"X1-1/4"	8010029234	63	43.6	26	20	120
2"X1-1/2"	8010029235	63	45.1	26	20	120
2-1/2"X2"	8010029236	76	51.5	27	10	60
3"X2"	8010028833	93	55.7	27	12	72
3"X2-1/2"	8010029237	93	55.7	37	10	60
4"X2"	8010029238	118.4	66.2	27	6	36
4"X3"	8010029239	118.4	66.2	40	6	36
6"X4"	8010029240	172	86.7	42		8

Reducing Bushing（Mpt×Fpt）

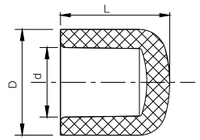




NPT1×NPT2	Code	D (mm)	L (mm)	L1 (mm)	SP	GP
3/4"X1/2"	8010029261	32.5	23	19	120	720
1"X1/2"	8010028843	34.4	27	19	100	600
1"X3/4"	8010028844	38.1	27	20.5	85	510
1-1/4"X1/2"	8010028845	43.2	27	19	60	360
1-1/4"X3/4"	8010029263	43.2	27	20.5	50	300
1-1/4"X1"	8010028846	46	27	25	60	360
1-1/2"X3/4"	8010028847	51	30	20.5	40	240
1-1/2"X1"	8010028848	51.8	30	25	40	240
1-1/2"X1-1/4"	8010028849	51.8	31	26	40	240
2"X1/2"	8010029264	63.5	33	19	20	120
2-1/2"X2"	8010029265	78	43	27	10	60

Cap（Soc）

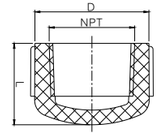




Size	Code	D (mm)	L (mm)	SP	GP
1/2"	8010028823	31	31	130	780
3/4"	8010029207	36.7	36	80	480
1"	8010029208	42	45	40	240
1-1/4"	8010029209	54.6	47	24	144
1-1/2"	8010028824	60.9	48	24	144
2"	8010028825	73.8	55	22	132
2-1/2"	8010029210	88.5	62	22	132
3"	8010029211	105.7	68	10	60
4"	8010029212	133	80	10	60
6"	8010029213	192.5	110		6
8"	8010029214	247	140		8

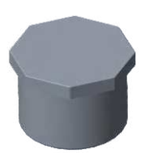
Female Cap（Fpt）

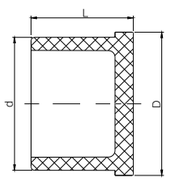




Size	Code	D (mm)	L (mm)	SP	GP
1/2"	8010029247	32.5	28	100	600
3/4"	8010029248	38.1	31	80	480
1"	8010028834	46	37	45	270
1-1/4"	8010028835	56	40	30	180
1-1/2"	8010028836	63.5	40	20	120
2"	8010028837	76.2	45	15	90
2-1/2"	8010029249	91	57	10	60
3"	8010029250	109.3	60	6	36
4"	8010029251	138	72	3	18

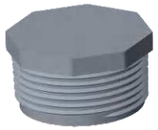
Plug（Spig）

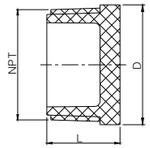




Size	Code	D (mm)	L (mm)	SP	GP
1"	8010029201	40.3	35	50	300
2"	8010029202	65	46.4	25	150

Male Plug（Mpt）

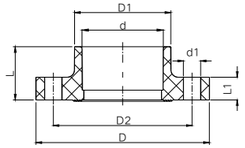




Size	Code	D (mm)	L (mm)	SP	GP
1/2"	8010029296	24	22.1	250	1500
3/4"	8010029297	30	22.5	200	1200
1"	8010028871	38	26.5	100	600
1-1/4"	8010029298	45	27.5	50	300
1-1/2"	8010029299	50	33.5	20	120
2"	8010028872	61.5	34.5	20	120
2-1/2"	8010029300	75	46	10	60
3"	8010029301	91	48.5	10	60
4"	8010029302	116	50.5	5	30

Socket Flange（Integrated）（Soc）

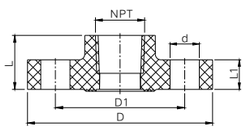




Size	Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	d1 (mm)	SP	GP
2-1/2"	8010029166	177.8	88.5	139.7	53.5	24	19		18
3"	8010029167	190.5	105.7	152.4	58.5	25	19		12

Female Thread Flange（Integrated）（Fpt）

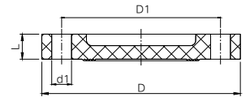




Size	Code	D (mm)	D1 (mm)	L (mm)	L1 (mm)	d (mm)	SP	GP
1/2"	8010029241	90	60.3	26	14.3	15.8	20	120
3/4"	8010029242	100	69.9	29.2	16	15.8	10	60
1"	8010029243	110	79.4	32.4	19	15.8	10	60
1-1/4"	8010029244	115	88.5	34	19	15.8	10	60

Blind Flange

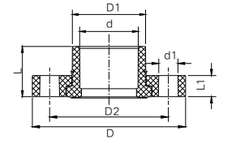




Size	Code	D (mm)	L (mm)	D1 (mm)	SP	GP
2-1/2"	8010029203	177.8	24	139.7		25
3"	8010029204	190.5	24	152.4		23

Flange Van Stone Style（Soc）

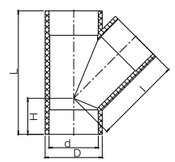




Size	Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	d (mm)	SP	GP
1/2"	8010029217	88.9	30.5	60.3	26.9	12.7	15.8	30	180
3/4"	8011020697	98.6	36.2	69.9	30.1	12.7	15.9		
1"	8011020698	108	44.5	79.4	34	14.2	15.9		
1-1/4"	8011020699	117.5	54	88.9	37.6	16	15.9		
1-1/2"	8011020700	127	60.7	98.4	41.6	17.5	15.9		
2"	8011020701	152.4	73.8	120.7	45.2	19.1	19		
2-1/2"	8011020702	177.8	88.5	139.7	53	23.9	19		
3"	8011020703	190.5	105.7	152.4	57.6	25.9	19		
4"	8010029218	228.6	133	190.5	69.4	27.9	19.2		8
6"	8010029219	279.4	192.5	241.3	89.7	31.8	22.5		4
8"	8011020704	342.9	247	298.5	115.2	36.1	22.2		

Y-Tee（Soc×Soc×Soc）

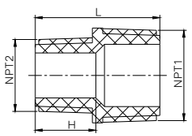




Size	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
2"	8010029156	73.8	173	118	55	18	180
4"	8010029157	133	288	204	84	3	8
6"	8010029158	192.5	400	291	109	1	4

Male Adapter (Mpt×Mpt)

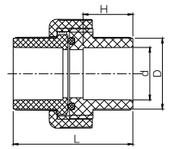




NPT1×NPT2 (Inch)	Code	L (mm)	H (mm)	SP	GP
3/4"X1/2"	8010029293	36	17.5	130	780

Uninon（Soc×Soc）

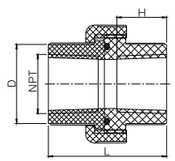




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"	8010028826	30.5	52.7	22.3	30	180
3/4"	8010028827	36.2	61.1	25.4	30	180
1"	8010028828	44.5	68.5	28.6	20	120
1-1/4"	8010028829	54	75.6	31.8	6	36
1-1/2"	8010028830	60.7	85.8	35	6	36
2"	8010028831	73.8	93.7	38.1	6	36
3"	8010029216	105.7	113.8	47.7		10

Female Uninon（Fpt×Fpt）

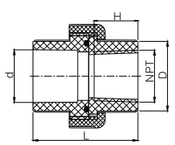




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"	8010028865	30.5	47.2	19	30	180
3/4"	8010029284	36.2	61.2	25.4	20	120
1"	8010029285	44.5	66.5	28	20	120
1-1/4"	8010029286	54	64.3	26	10	60
1-1/2"	8010029287	60.7	73.8	29	5	30

Female Uninon（Soc×Fpt）





dXNPT (Inch)	Code	D (mm)	L (mm)	H (mm)	SP	GP
1/2"X1/2"	8010029198	30.5	49.5	19	20	120
3/4"X3/4"	8010028815	36.2	61.2	25.4	18	108
1"X1"	8010028816	44.5	67.1	28	18	108
1-1/4"X1-1/4"	8010028817	54	69.8	26	7	42
1-1/2"X1-1/2"	8010028818	60.7	79.8	29	6	36
2"X2"	8010028819	73.8	88.2	30	5	30

JIS STANDARD

PVC-U (VP SERIES) PIPING SYSTEMS

Durability Powerful transportation

Japanese Industrial Standard PVC-U (VP) series pipe, meeting JIS K6742, is made of high-quality PVC material, has strong corrosion resistance, is applicable for the industrial water supply and drainage and all kinds of corrosive liquid transportation at the temperature of -5℃~ +45℃; the product is widely used in petrochemical, electronic, metallurgical, paper and other industries; owing to its excellent sealing stability and efficient fluid transmission performance, the product is ideal for modern industrial facilities.

Corrosion resistance

High strength

Easy installation

Light weight



Basic Physical Properties

Characteristics	Units	Standard Value	Test method
Density	Kg/m3	1350~1460	ISO 1183
VICAT Softening Point	℃	Pipes ⩾80，Fittings ⩾74	ISO2507
Tensile Strength	MPa	⩾40	ISO6259
Charpy Impact Strength	KJ/m2	>6 （23℃）	ISO 179
Longitudinal Reversion	%	⩽5	ISO 2505
Falling impact (℃)	TIR	⩽10%	ISO3127

General Applications



- Waste incineration and domestic sewage treatment plant
- Chlor-alkali Industry
- Leather and paper making
- Electronics and electroplating industry

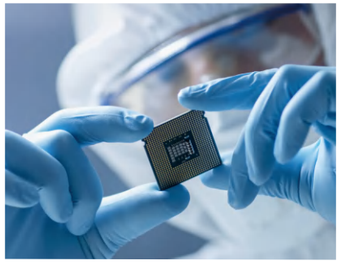


- Industrial water supply treatment
- Industrial wastewater treatment
- Bathrooms and swimming pools



- Chemical industry
- Mining industry
- Food and Beverage Industry
- Drinking water preparation industry







Product Advantages

1 Chemical Resistance

PVC-U piping systems have good chemical resistance,especial in acids, bases and salts, not corroded by corrosive soil or various water qualities.

2 Cost Effective

PVC-U piping systems are lightweight, with complete accessories and flexible, making it lower in installation cost compared to other pipeline systems.

3 High Strength

PVC-U products are highly resilient, tough and durable with high tensile and high impact strength.

4 Easy Installation

There are many joint methods, such as solvent cement, threaded, flanged, & hot air welding.

5 Low Friction

The smooth interior surfaces of PVC-U assure low friction loss and high flow rate. Additionally,since PVC-U pipe will not rust, pit,scale, or corrode, the high flow rate will be maintained for the life of the piping system.

6 Light Weight

PVC-U pipe is light in weight (approximately one-half the weight of aluminum and one-sixth the weight of steel) reducing transportation, handling, and installation cost.

7 Low Thermal Conductivity

PVC-U pipe has a much lower thermal conductivity factor than metal pipe. Therefore, fluids being piped maintain a more constant temperature. In most cases, pipe insulation is not required.

8 Long Life

The recommended temperature for use is within 45 ℃, with a maximum temperature not exceeding 60 ℃. When transporting chemical media, reference should be made to theparameters of chemical corrosion resistance for selection.

9 Maintenance Free

PVC-U pipeline system will never rust and will not corrode or scale inside. As long as the pipeline system is designed and installed correctly, it can be used for a long time without faults.

PRECAUTIONS

* PVC-U pipes cannot be used to compress air or other gas conveying.
* Do not throw, defile, press ure and damage when tran sporting and loading.
* Do not use compressed air or gas mixture for pressure test.
* Do not expose the product for the storage of the product, stay away from the heat source when stacked, and the height of the stacking height does not exceed 2 meters.

JIS PVC-U Pipes

• Pipes

NOTES：Those markede “✱” are awaiting production

JIS PVC-U Pressure Pipes，VP Series， Product Standards JIS K6742, Standard Length 4m



Size	OD (mm)	Code	Min Wall Thickness (mm)	SP (m)
22(1/2")	22	8010013993	2.7	100
26(3/4")	26	8010013994	2.7	80
32(1")	32	8010013995	3.2	40
✱ 38(1-1/4")	38	8010013996	3.2	40
48(1-1/2")	48	8010013997	3.7	20
60(2")	60	8010013998	4.1	12
76(2-1/2")	76	8010013999	4.1	8
89(3")	89	8010014000	5.5	4
114(4")	114	8010014001	6.6	4
✱ 140(5")	140		7.0	4
165(6")	165	8010014002	9.0	4

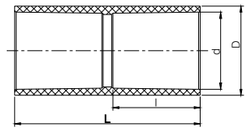
Notes：Those marked "✱" are awaiting production

JIS PVC-U Fittings

• Fittings

Soc: Slovent Weld Socket
Spig: Spigot End
Mpt: Male Pipe Thread
Fpt: Female Pipe Thread



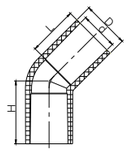


Coupling，PVC-U，JIS（Soc×Soc）

Size	Code	D (mm)	L (mm)	I (mm)	SP	GP
22(1/2")	8010028902	28.4	67	30		375
26(3/4")	8010028903	33	77	35		250
32(1")	8010028904	39.3	87	40		160
✱ 38(1-1/4")	8010028905	49.3	95	45.5		120
48(1-1/2")	8010028906	56.2	117	55		78
60(2")	8010028907	69	133	63		96
76(2-1/2")	8010028908	87.5	145	63		56
89(3")	8010028909	101	155	64		40
114(4")	8010028910	129	200	84		20
✱ 140(5")						
165(6")	8010028911	185	286	132		6

45°Elbow，PVC-U，JIS（Soc×Soc）

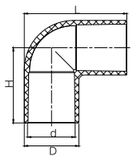




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
22(1/2")	8010029037	28.4	30	37		320
26(3/4")	8010029038	33	35	44		200
32(1")	8010029039	39.3	40	51		130
✱ 38(1-1/4")						
✱ 48(1-1/2")						
60(2")	8010029040	69	63	80		60
✱ 76(2-1/2")						
✱ 89(3")						
114(4")	8010029041	129	84	122		12
✱ 140(5")		155.5	104	148.5		
165(6")	8010029042	185	184	132		3

90°Elbow，PVC-U，JIS（Soc×Soc）

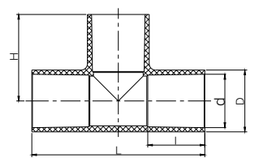




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
22(1/2")	8010028912	28.4	57.2	43		300
26(3/4")	8010028913	33	66.5	50		200
32(1")	8010028914	39	77.6	58		125
✱ 38(1-1/4")	8010028915	49.3	92.7	68		70
48(1-1/2")	8010028916	56.2	110	82		45
60(2")	8010028917	69	130.5	96		32
76(2-1/2")	8010028918	87.5	153.7	110		40
89(3")	8010028919	101	170	120		24
114(4")	8010028920	129	217.5	159		40
✱ 140(5")		156	264	185.7		
165(6")	8010028921	185	322.5	230		3

Tee，PVC-U，JIS（Soc×Soc×Soc）

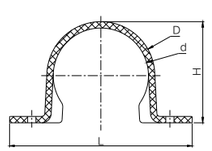




Size	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
22(1/2")	8010028922	28.4	86	30	43		180
26(3/4")	8010028923	33	100	35	50		125
32(1")	8010028924	39.3	116	40	58		75
✱ 38(1-1/4")	8010028925	49.3	138	45.5	69		48
48(1-1/2")	8010028926	56.2	164	55	82		72
60(2")	8010028927	69	192	63	96		48
76(2-1/2")	8010028928	87.5	220	63	110		24
89(3")	8010028929	101	240	64	120		18
114(4")	8010028930	129	304	84	152		8
✱ 140(5")		156	374	104	187		
165(6")	8010028931	185	460	132	230		2

Pipe Strap，PVC-U，JIS

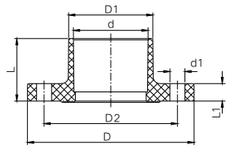




Size	Code	D (mm)	L (mm)	H (mm)	SP	GP
22(1/2")	8010029043	26	47	23.7		2000
26(3/4")	8010029044	31	55	28.2		1800
32(1")	8010029045	37	71	34.2		900
✱ 38(1-1/4")	8010029046	44	83	44.7		600
48(1-1/2")	8010029047	55	93	51.2		300
60(2")	8010029048	68	115	63.7		200
76(2-1/2")	8010029049	85	130	80.2		160
89(3")	8010029050	101	154	94.7		150
114(4")	8010029051	128	188	120.6		100
✱ 140(5")						
165(6")	8010029052	181	248	172.6		45

Fixed Flange，PVC-U，JIS（Soc）

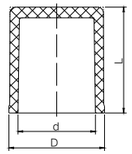




Size	Code	D (mm)	D1 (mm)	D2 (mm)	L (mm)	L1 (mm)	d1 (mm)	SP	GP
60(2")	8010029027	155	69	120	70	16	18		25
✱76(2-1/2")									
89(3")	8010029028	200	101	160	75	21	18		10
114(4")	8010029029	151	129	180	95	22	18		18
✱ 140(5")									
165(6")	8010029030	285	185	240	144	23	22		6

Cap，PVC-U，JIS（Soc）

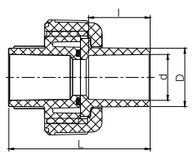




Size	Code	D (mm)	L (mm)	SP	GP
22(1/2")	8010028987	29.2	34		800
26(3/4")	8010028988	33.8	39.2		480
32(1")	8010028989	40.2	44.5		300
✱ 38(1-1/4")					
✱ 48(1-1/2")					
60(2")	8010028990	70.2	68.8		72
✱ 76(2-1/2")					
89(3")	8010028991	102.3	71.7		80
114(4")	8010028992	130.5	93.5		36

Union，PVC-U，JIS，（Soc×Soc）

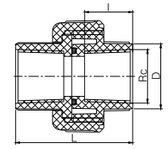




Size	Code	D (mm)	L (mm)	I (mm)	SP	GP
22(1/2")	8010028993	28	69	30		150
26(3/4")	8010028994	33	80	35		100
32(1")	8010028995	39	91	40		60
✱ 38(1-1/4")	8010028996	42	106	45		46
48(1-1/2")	8010028997	56	126	55		30
✱ 60(2")						

Female Union，PVC-U，JIS (Fpt×Fpt)

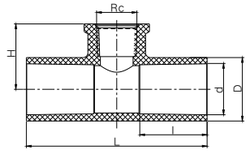




Size	Code	D (mm)	L (mm)	I (mm)	SP	GP
1/2"	8010029001	27	63.5	28		150
3/4"	8010029002	33	63	27		125
1"	8010029003	40	73	30		80
✱ 1-1/4"	8010029004	42	79	32.5		50
1-1/2"	8010029005	56	89	34.5		40
✱ 2"						

Female Tee，PVC-U，JIS (Soc×Fpt×Soc)

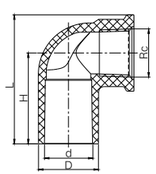




dXRc	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
22(1/2")×1/2"	8010028972	28.4	86	30	32		204
26(3/4")×3/4"	8010028973	33	100	35	36		108

90°Female Elbow，PVC-U，JIS (Soc×Fpt)

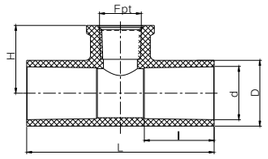




dXRc	Code	D (mm)	L (mm)	I (mm)	SP	GP
22(1/2")×1/2"	8010028979	28.4	60	43		300
26(3/4")×3/4"	8010028980	33	71	50		200
32(1")×1"	8010028981	39.3	86	61		120

Female Reducing Tee，PVC-U，JIS (Soc×Fpt×Soc)

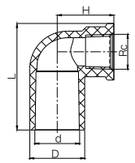




dXRc	Code	D (mm)	L (mm)	I (mm)	H (mm)	SP	GP
26(3/4")×1/2"	8010028974	33	94	35	34		160
32(1")×1/2"	8010028975	39.3	104	40	38		108

90°Female Reducing Elbow，PVC-U，JIS (Soc×Fpt)

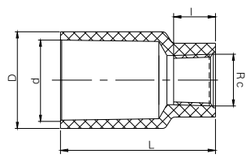




dXRc	Code	D (mm)	L (mm)	H (mm)	SP	GP
26(3/4")×1/2"	8010028982	33	64	34		250
32(1")×1/2"	8010028983	39.3	69	38		120

Female Reducing Adapter，PVC-U，JIS (Soc×Fpt)

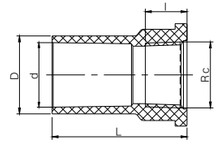




dXRc	Code	D (mm)	L (mm)	I (mm)	SP	GP
26(3/4")	8010028965	33	55	17		300
32(1")×1/2"	8010028966	39.3	63	17		240
22(1/2")×1"	8010028967	28.4	60	21		250
26(3/4")×1"	8010028968	33	64	21		200

Female Adapter，PVC-U，JIS (Soc×Fpt)

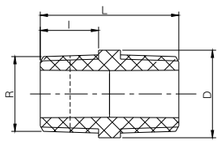




dXRc	Code	D (mm)	L (mm)	I (mm)	SP	GP
22(1/2")×1/2"	8010028959	28.4	51	17		400
26(3/4")×3/4"	8010028960	33	59	19		250
32(1")×1"	8010028961	39.3	68	21		150
✱ 38(1-1/4")×1-1/4"	8010028962	49.3	72	22.5		132
48(1-1/2")×1-1/2"	8010028963	56.2	84	24		96
60(2")×2"	8010028964	69	99	29		54

Male Adapter，PVC-U，JIS（Mpt×Mpt）

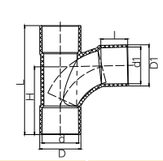




Size	Code	D (mm)	L (mm)	I (mm)	SP	GP
1/2"	8010029031	24	38	16		1000
3/4"	8010029032	37.8	42	17		450
1"	8010029033	45.8	48	20		300

Sanitary Tee，PVC-U，JIS（Soc×Soc×Soc）

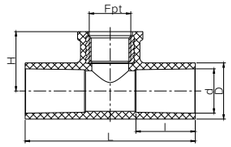




dxd1	Code	D (mm)	D1 (mm)	L (mm)	I (mm)	H (mm)	SP	GP
114(4")	8010029034	129	129	341	84	212		5
114X60(4"×2")	8010029035	129	69	266	84	150		11
165X114(6"×4")	8010029036	185	129	445	84	260		2

Metallic Female Thread Tee，PVC-U，JIS (Soc×Fpt×Soc)

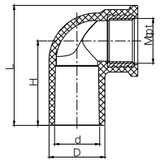




dxRc	Code	D (mm)	L (mm)	l (mm)	H (mm)	SP	GP
22(1/2")×1/2"	8010028976	28.4	86	30	30	20	120
26(3/4")×3/4"	8010028977	33	100	35	36	15	90
26(3/4")×1/2"	8010028978	33	94	35	34	20	120

90°Metallic Female Thread Elbow，PVC-U JIS (Soc×Fpt)

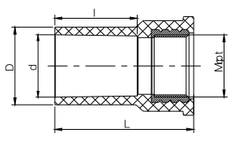




dxRc	Code	D (mm)	L (mm)	H (mm)	SP	GP
22(1/2")×1/2"	8010028984	28.4	59.5	43	40	240
26(3/4")×3/4"	8010028985	33	71	50	20	120
26(3/4")×1/2"	8010028986	33	63.5	47	30	180

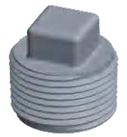
Metallic Female Thread Adapter，PVC-U JIS (Soc×Fpt)

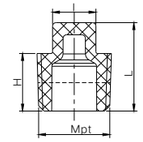




dxRc	Code	D (mm)	L (mm)	l (mm)	SP	GP
22(1/2")×1/2"	8010028969	28.4	51	30	50	300
26(3/4")×3/4"	8010028970	33	59	35	30	180
26(3/4")×1/2"	8010028971	33	57	35	40	240

Male Plug PVC-U，JIS（Soc×Mpt）

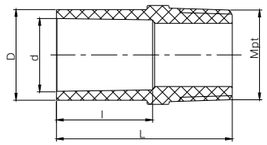




Size	Code	L (mm)	l (mm)	H (mm)	SP	GP
1/2"	8010028998	25.5	12.5	16.6		2500
3/4"	8010028999	28	15.5	18.7		1200
1"	8010029000	32	18	21		750

Male Reducing Adapter，PVC-U JIS（Soc×Mpt）

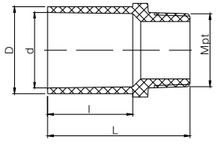




dxR	Code	D (mm)	L (mm)	l (mm)	SP	GP
26(3/4")×1/2"	8010028956	33	59	35		360
22(1/2")×1"	8010028957	28.4	64	30		300
26(3/4")×1"	8010028958	33	64	35		270

Male Adapter，PVC-U，JIS（Soc×Mpt）

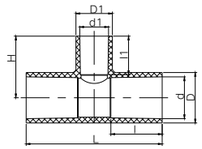




dxR	Code	D (mm)	L (mm)	l (mm)	SP	GP
22(1/2")×1/2"	8010028948	28.4	54	30		525
26(3/4")×3/4"	8010028949	33	64	35		300
32(1")×1"	8010028950	39.3	71	40		180
✱ 38(1-1/4")×1-1/4"	8010028951	49.3	80	45.5		130
48(1-1/2")×1-1/2"	8010028952	56.2	92	55		120
60(2")×2"	8010028953	69	106	63		150
89(3")×3"	8010028954	101	127	64		24
114(4")×4"	8010028955	129	157	84		24

Reducing Tee，PVC-U，JIS (Soc×Soc×Soc)

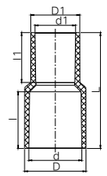




dxd1	Code	D (mm)	D1 (mm)	L (mm)	I (mm)	I1 (mm)	H (mm)	SP	GP
26×22(3/4"×1/2")	8010028932	33	28.4	96	35	30	45		150
32×22(1"×1/2")	8010028933	39.3	28.4	106	40	30	48		100
32×26(1"×3/4")	8010028934	39.3	33	110	40	35	53		100
* 38×22(1-1/4"×1/2")	8010028935	49.3	28.4	118	45.5	30	54		60
* 38×26(1-1/4"×3/4")	8010028936	49.3	33	121	45.5	35	59		60
* 38×32(1-1/4"×1")	8010028937	49.3	39.3	128	45.5	40	63		54
48×22(1-1/2"×1/2")	8010028938	56.2	28.4	136	55	30	57		48
48×26(1-1/2"×3/4")	8010028939	56.2	33	140	55	35	62		42
48×32(1-1/2"×1")	8010028940	56.2	39.3	146	55	40	67		39
* 48×38(1-1/2"×1-1/4")	8010028941	56.2	49.3	156	55	45.5	73		75
60×22(2"×1/2")	8010028942	69	28.4	152	63	30	63		72
60×26(2"×3/4")	8010028943	69	33	156	63	35	68		72
60×32(2"×1")	8010028944	69	39	162	63	40	73		60
* 60×38(2"×1-1/4")	8010028945	69	49.3	172	63	45.5	79		50
60×48(2"×1-1/2")	8010028946	69	56.2	180	63	55	88		48
89×60(3"×2")	8010028947	101	69	210	64	63	110		20

Reducing Coupling，PVC-U JIS (Soc×Soc)





dxd1	Code	D (mm)	D1 (mm)	L (mm)	I (mm)	I1 (mm)	SP	GP
26×22(3/4"×1/2")	8010029006	33	28	71	35	30		300
32×22(1"×1/2")	8010029007	39.3	28.4	84	40	30		200
32×26(1"×3/4")	8010029008	39.3	33	84	40	35		180
* 38×22(1-1/4"×1/2")	8010029009	49.3	28.4	99	45.5	30		180
* 38×26(1-1/4"×3/4")	8010029010	49.3	33	93	45.5	35		180
* 38×32(1-1/4"×1")	8010029011	49.3	39.3	93	45.5	40		120
48×22(1-1/2"×1/2")	8010029012	56.2	28.4	110	55	30		90
48×26(1-1/2"×3/4")	8010029013	56.2	33	114	55	35		84
48×32(1-1/2"×1")	8010029014	56.2	39.3	114	55	40		108
* 48×38(1-1/2"×1-1/4")	8010029015	56.2	49.3	114	55	45.5		70
60×32(2"×1")	8010029018	69	39.3	136	63	40		120
* 60×38(2"×1-1/4")	8010029019	69	49.3	125	63	45.5		60
60×48(2"×1-1/2")	8010029020	69	56.2	136	63	55		60
60×22(2"×1/2")	8010029016	69	28.4	136	63	30		60
60×26(2"×3/4")	8010029017	69	33	136	63	35		120
89×60(3"×2")	8010029021	101	69	165	64	63		60
114×48(4"×1-1/2")	8010029022	129	56.2	199	84	55		24
114×60(4"×2")	8010029023	129	69	182	84	63		24
114×89(4"×3")	8010029024	129	101	190	84	64		24
165×89(6"×3")	8010029025	185	101	275	132	64		6
165×114(6"×4")	8010029026	185	129	295	132	84		6

Commonly Used Non-Metallic Materials To Resist Chemical Corrosion Tables

Medium	Molecular Formula	Boiling Point	Concentration	Temperature	Material					Sealing Material			
					UPVC	CPVC	PE	PP	PVDF	EPDM	FPM	NBR	CR
Acetic	CH_3COOH	118	Technically Pure	20	L	L	S	S	S	L	NS	NS	L
				40	NS		S	S	L				
				60			L	L	NS				
				80				NS					
				100									
				120									
			50% Aqueous Solution	20	S	S	S	S	S	S	L	NS	L
				40	S	S	S	S	S				
				60		S	S	S	S				
				80					L				
				100					L				
				120									
			10% Aqueous Solution	20	S	S	S	S	S	S	L	S	S
				40	S	S	S	S	S	S	NS	L	S
				60	L	S	S	S	S	L			L
				80		S		S	S				
				100				S	S				
				120					S				
Ammonia	NH_3	-33	Gas, Technically Pure	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S		L		
				60	S	S	S	S	L				
				80		S			L				
				100					L				
				120									
Ammonium Sulphate	$(NH_4)_2SO_4$		10% Aqueous Solution	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S	S	S	S	S
				60	L	S	S	S	S	S	S	S	S
				80				S	S	S	S		
				100				S	S		S		
				120					S				
			Saturated Aqueous Solution	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S	S	S	S	S
				60	S	S	S	S	S	S	S	L	S
				80		S		S	S	S	S		
				100				S	S		S		
				120					S				
Ammonium Nitrate	NH_4NO_3		10% Aqueous Solution	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S	S	S	S	S
				60	L	S	L	S	S	S	S	L	
				80		S		L	S		S		
				100					S				
				120									
			Saturated Aqueous Solution	20	S	S	S	S	S	S	S	S	S
				40	+	S	S	S	S	S	S	S	S
				60	S	S	L	S	S	S	S	L	
				80		S		L	S		S		
				100					S				
				120									

Medium	Molecular Formula	Boiling Point	Concentration	Temperature	Material					Sealing Material			
					UPVC	CPVC	PE	PP	PVDF	EPDM	FPM	NBR	CR
Ammonium Hydroxide	NH_4OH		Aqueous Solution, Cold Saturation	20	S	S	S	S	S	S	NS	S	S
				40	S	S	S	S	S	S		L	S
				60	L	S	L	S	S	S		L	S
				80						S			L
				100						L			
				120									
Ammonium Chloride	NH_4CL	115	10% Aqueous Solution	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S	S	S	S	S
				60	L	S	S	S	S	S	S	S	S
				80		S		S	S	S	S		S
				100				S	S	S	S		
				120					S				
			Aqueous Solution, Cold Saturation	20	S	S	S	S	S	S	S	S	S
				40	S	S	S	S	S	S	S	S	S
				60	L	S	S	S	S	S	S	S	S
				80		S		S	S	S	S		S
				100				S	S	S	S		
				120					S				
Ammonium Sulfide	$(NH_4)_2S$		Aqueous Solution	20	S	L	S	S	S	S	S	S	S
				40	S	L	S	S	S	S	L	S	S
				60	L	L	S	S	S	S	NS	S	S
				80		NS							
				100									
				120									
Aqua Regia	HNO_3 +HCL			20	S	S	NS	NS	L	NS	L	NS	NS
				40	L	S							
				60									
				80									
				100									
				120									
Sodium Hydroxide	NaOH		10% Aqueous Solution	20	S	S	S	S	NS	S	L	S	S
				40	S	S	S	S		S	L	S	S
				60	L	S	S	S		S	L	S	S
				80				S					
				100				S					
				120									
			40% Aqueous Solution	20	S	S	S	S	NS	S	L	S	S
				40	S	S	S	S		S	NS	L	S
				60	L	S	S	S		S		NS	L
				80				S					
				100				S					
				120									
			50% Aqueous Solution	20	S	S	S	S	NS	S	NS	L	NS
				40	S	S	S	S		S		NS	
				60	S	S	S	S		S			
				80				S		L			
				100				S					
				120									

Medium	Molecular Formula	Boiling Point	Concentration	Temperature	Material					Sealing Material			
					UPVC	CPVC	PE	PP	PVDF	EPDM	FPM	NBR	CR
Chlorine	Cl_2		Containing Water, 97% gas	20	NS	S	NS	NS	NS	L	S	NS	NS
				40									
				60									
				80									
				100									
				120									
			anhydrous, Technically Pure	20	L	S	L	NS	S	L	S	NS	NS
				40			L		S				
				60			NS		S				
				80					S				
				100					L				
				120									
			Liquid, Technically Pure	20	NS	S	NS	NS	S	NS	L	NS	NS
				40									
				60									
				80									
				100									
				120									
			Saturated	20	L	S	L	L	L	L	L	NS	L
				40	L		L						
				60									
				80									
				100									
				120									
Hydrochloric Acid	HCL		5% Aqueous Solution	20	S		S	S	S	S	S	L	L
				40	S		S	S	S	S	S	NS	NS
				60	L		S	S	S	S	S		
				80				L	S	S	S		
				100					S				
				120					S				
			10% Aqueous Solution	20	S	S	S	S	S	S	S	L	L
				40	S	S	S	S	S	S	S	NS	NS
				60	L	S	S	L	S	S	S		
				80		S		L	S	S	S		
				100					S				
				120					S				
			30% Aqueous Solution	20	S	S	S	S	S	S	S	NS	NS
				40	S	S	S	L	S	+	S		
				60	L	S	S	L	S	L	L		
				80		S		NS	S				
				100					S				
				120					S				
			36% Aqueous Solution	20	S	S	S	S	S	S	S	NS	NS
				40	S	S	S	L	S	L	L		
				60	L	S	S	NS	S	NS	NS		
				80		S			S				
				100					S				
				120					S				

Medium	Molecular Formula	Boiling Point	Concentration	Temperature	Material					Sealing Material			
					UPVC	CPVC	PE	PP	PVDF	EPDM	FPM	NBR	CR
Mixed Acid -Sulfuric Acid -Nitric Acid -Water	H_2S0_4 HNO_3 H_20		48% 49% 3%	20	S	S	NS	NS	S	L	NS	NS	NS
				40	L	S	NS						
				60	NS								
				80									
				100									
				120									
			50% 50% 0%	20	L	S	NS	NS	S	L	NS	NS	NS
				40	NS								
				60									
				80									
				100									
				120									
			50% 31% 19%	20	S	S	NS	NS	S	L	S	NS	L
				40									
				60									
				80									
				100									
				120									
			10% 87% 3%	20	L	S	NS	NS	L	NS	NS	NS	NS
				40									
				60									
				80									
				100									
				120									
			50% 33% 17%	20	S	S	L	NS	S	L	S	NS	NS
				40	L								
				60									
				80									
				100									
				120									
			10% 20% 70%	20	S	S	L	NS	S	S	S	NS	L
				40	S				S	S	S		
				60					S		S		
				80					S				
				100									
				120									
Nitric Acid	HNO_3		6.3% Aqueous Solution	20	S	S	S	S	S	S	S	NS	NS
				40	S	S	S		S	S	S		
				60	S	S	S	L	S	L	L		
				80		S			S		NS		
				100					S				
				120									
			40% Aqueous Solution	20	S	S	L	L	S	S	S	NS	NS
				40	S	S			S	S	S		
				60	L	S	NS	NS	S	L	S		
				80		S			S		L		
				100					S				
				120									
			65% Aqueous Solution	20	L	S	L	NS	S	NS	S	NS	NS
				40	L	S	NS		S		L		
				60	NS				S		NS		
				80					L				
				100					NS				
				120									NS
			85% Aqueous Solution	20					S				
				40					S				
				60									
				80									
				100									
				120									

Medium	Molecular Formula	Boiling Point	Concentration	Temperature	Material					Sealing Material			
					UPVC	CPVC	PE	PP	PVDF	EPDM	FPM	NBR	CR
Nitrous gas Nitrogen Oxide	Nox		Dilution, Containing water, Anhydrous	20	S	S	S	S	S	S	S	L	S
				40	S		S	L	S	S	S	NS	L
				60	L		S	NS	S	L	S		NS
				80					S				
				100					S				
				120									
Sulfuric Acid	H_2SO_4		40% Aqueous Solution	20	S	S	S	S	S	S	S	L	L
				40	S	S	S	S	S	S	S	NS	NS
				60	L	S	S	S	S	S	S		
				80		S			S	L	L		
				100					S	NS	NS		
				120					S				
			60% Aqueous Solution	20	S	S	S	S	S	S	S	NS	NS
				40	S	S	S	S	S	S	S		
				60	S	S	S	S	S	L	S		
				80		S			S	NS	L		
				100					S				
				120					S				
			80% Aqueous Solution	20	S	S	S	S	S	S	S	NS	NS
				40	S	S	S	S	S	L	S		
				60	S	S	L	L	S	NS	L		
				80		S			S		NS		
				100					S				
				120					L				
			90% Aqueous Solution	20	S	S	L	L	S	L	S	NS	NS
				40	S	S			S	NS	S		
				60		S			S				
				80					S				
				100					L				
				120					L				
			96% Aqueous Solution	20	S	S	NS	NS	S	NS	S	NS	NS
				40	S	S			S				
				60	L	S			NS				
				80									
				100									
				120									
			97% Aqueous Solution	20	S	S			L				
				40		S							
				60		S							
				80									
				100									
				120									
			98% Aqueous Solution	20	S	S			NS				
				40		S							
				60		S							
				80									
				100									
				120									

NOTES				
S	Corrosion Preventife	NBR	Nitrile Rubber	90℃
L	Conditional Corrosion Preventife	CR	Chloroprene Rubber	80℃
NS	Not Corrssion-resistant	EPDM	Ethylene-Propylene-Diene Monomer	90℃
		FPM	Fluororubber	150℃