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 Pipes & Accessories  
 General Product Catalogue  
 Maxflow PVC Industries

**HIGH QUALITY PRODUCTS**

General Product  
 Catalogue  
 2014

Sanitary and Infrastructure

**MAXFLOW**[www.maxflowpipes.com](http://www.maxflowpipes.com)

# MAXFLOW PIPING SYSTEMS AND ITS GROUP HAS BEEN SERVING CUSTOMERS

Since 1951.



**MAXFLOW**

Best Quality in the world of Piping from Maxflow to its Clients



UPVC Sch-80 Pressure Pipes Fittings & Valves



CPVC Sch-80 Pipes & Fittings



Our International Collaborations



PPRC Pipes & Fittings for Hot and Cold Water (Turkey)



Solvent Cement Made in USA

UPVC Pipes Fittings for Sewerage & Drainage



# UPVC PIPES

HIGH PRESSURE, SEWERAGE AND DRAINAGE

MaxFlow PVC pipes are manufactured using the latest technologies and top of the line raw material. We ensure our pipes are produced with more than 95% resin and only less than 5% of other agents of total mixture. These practices ensure that our pipes NOT ONLY conform to the Pakistan Standards PS 3051(1991) and BS-3505 but far exceed these standards and hence creating new benchmarks.

Each stage of the process of pipe manufacturing is strictly monitored which results in the high purity and mechanical strength of MaxFlow PVC pipes.

## Where are MaxFlow PVC pipes used?

MaxFlow PVC pipes are used in wide applications of liquid transfer. MaxFlow PVC pipes are light weight, durable, thermoplastic, resistant to corrosion and abrasion, have good Fire retardant and insulation properties. As per the pressure requirement different classes of MaxFlow pipes can be used accordingly. Some of the most common application are:

### Water Distribution:

MaxFlow PVC pipes can be used for household or for municipal sector i.e water supply application can be divided into internal and external use. In both sectors MaxFlow PVC pipes stands out to its competition. For internal use, MaxFlow PVC pipes will not affect the taste, odor or the purity of household drinking water. When used in external, deposits and scales will not build up inside the pipe due to its slippery surface, and its strength is also greater than the conventional pipes used.

### Irrigation:

MaxFlow PVC pipes are ideal for the usage of irrigation. It is highly resistant to fertilizers and insects. The inhabitants cannot attack MaxFlow PVC pipes.

## WALL THICKNESS

Nominal Size	Outside Diameter	B-CLASS 6.0 bar (60m head of water)		C-CLASS 9.0 bar (90m head of water)		D-CLASS 12.0 bar (120m head of water)		E-CLASS 150.0 bar (150m head of water)	
		Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm	Min. mm	Max. mm
3/8"	12.5	1.5	1.5					1.2	1.3
1/2"	21.2	2.5	2.5					1.7	2.1
3/4"	26.8	3.0	3.0					1.4	3.1
1"	33.4	3.5	3.5					1.4	3.7
1 1/8"	41.3	4.0	4.0			2.2	2.4	2.7	3.3
1 1/2"	48.3	4.5	4.5			2.5	2.8	3.1	3.4
2"	60.3	6.0	6.0	3.7	3.8	3.1	3.6	3.4	4.2
2 1/2"	71.2	7.5	7.5	5.1	5.2	3.9	4.3	4.0	5.3
3"	88.7	9.0	9.0	6.5	6.6	4.9	5.5	5.1	6.6
4"	116.1	11.5	11.5	8.1	8.2	6.0	6.8	6.1	8.4
5"	140.9	14.0	14.0	9.8	9.9	7.3	8.2	7.4	10.1
6"	162.0	16.5	16.5	11.7	11.8	8.8	10.0	9.0	12.1
8"	210.2	21.0	21.0	15.7	15.8	12.0	13.5	12.0	16.0
10"	273.0	27.0	27.0	20.0	20.1	16.0	18.0	16.0	21.0
12"	334.0	33.0	33.0	24.0	24.1	19.0	22.0	19.0	26.0
14"	355.0	35.0	35.0	28.0	28.1	22.0	26.0	22.0	30.0

1 bar app.  $\rho = 7800 \text{ kg/m}^3$

## WEIGHT OF PVC PIPES PER METER (Minimum)

Normal Size (Inch)	Class-B Kgs/M	Class-C Kgs/M	Class-D Kgs/M	Class-E Kgs/M
3/8"	-	-	-	0.17
1/2"	-	-	-	0.18
3/4"	-	-	-	0.29
1"	-	-	-	0.32
1 1/8"	-	-	0.48	0.5
1 1/2"	-	-	0.54	0.55
2"	-	0.68	0.82	1.01
2 1/2"	-	1.01	1.28	1.58
3"	1.77	1.41	1.82	2.23
4"	1.76	2.32	3.05	3.63
5"	2.44	3.48	4.55	5.31
6"	3.48	5.01	6.57	7.85
8"	5.30	7.72	10.06	12.37
10"	8.28	11.97	15.59	18.89
12"	11.35	16.85	21.81	26.29
14"	17.87	20.27	28.88	35.78

# JOINTING OF UPVC PIPES & FITTINGS BY SOLVENT CEMENT

## Techniques

**01** The Pipe must be cut as square as possible with proper tool. Remove all burrs and dust with knife then round off the corners by 1 degree.

**02** Marking the depth of entry is a good way to make sure for complete insertion.

**03** Use only the solvent cement approved by MaxFlow for best results. Apply Solvent uniformly and more on the pipe and less on entrance to avoid the solvent cement from coming out.

**04** Insert Pipe into fitting immediately without delay while solvent cement is still wet after solvent cement is applied. Remove any excess solvent cement with rag. After connection, hold the joined part in place for at least 1 minute in summer and 2 minutes in winter. Avoid any impact and bending until dry.

## Some Important Notes:

- \* Residual solvent gas from evaporation of the adhesive inside the pipe line may cause cracking of the pipe and fittings. To avoid this, be sure to aerate the pipeline after the work is completed.
- \* Insert the pipe gently up the insertion line. Never force it or hammer it in.
- \* Take out of plastic bag only the number of fittings needed.
- \* Make sure the cotton cloth used is clean.
- \* Wear clean gloves and never perform the work with your bare hands.



# PE PIPES AND FITTINGS

## Specification of Maxflow PE 100

- Don't allow fittings to dislocate or rupture
- Water proof performance with minimum 50 years life gauranty.
- High chemical resistance.
- High cracking and impact resistance
- UV resistance is high (contains carbon black)

Production Range	Ø20mm - Ø3600mm
Pressure Range	PN10 - PN16
Pipe Length:	Ø20mm - Ø110mm - Coil Ø110mm - Ø1600mm - 12m (Standard) Ø600mm - Ø3600mm - 6m (Standard)



# PE NATURAL GAS PIPES AND FITTINGS

## Distinctive Characteristics

- Providing reliability and ease of use in Natural Gas Systems.
- Maxflow Natural Gas pipes and fittings are made from PE 80 raw material.

Production Range	Ø20mm - Ø500mm
Pressure Range	SDR11 - PN12.5 (accordance with TSE)
Pipe Length:	Ø20mm - Ø110mm - Coil Ø110mm - Ø500mm - 12m (Standard)



Made in U.S.A • Especially for MAXFLOW PIPING SYSTEMS.

# MAXFLOW™

## HEAVY BODIED SOLVENT CEMENT

AVAILABLE SIZES:

Quart (32Oz / 946ml), Pint(16Oz / 480ml), ½ Pint (8Oz / 237ml), ¼ Pint (4Oz / 118ml)

## 717PVC

■ GRAY

Set Time  
Medium

12" (315 mm) PVC  
All classes & schedules  
including Sch-80

ASTM D 2564  
NSF/ANSI 14  
NSF/ANSI 61  
CSA B137.3  
CSA B161

- Quality formulation for plumbing, industrial, pool, irrigation and electrical piping systems.
- Good Gap filling properties
- Medium set allows for more working time in warm weather.

## 777PVC

□ CLEAR

Set Time  
Medium

6" (160 mm) PVC  
4" (110 mm)  
Schedule 80  
PVC - PN 10 & 16

ASTM D 2564  
NSF/ANSI 14  
NSF/ANSI 61

- Premium, high-strength formulation for irrigation, DWV, pool & spa and plumbing.
- May be used without primer on Schedule 40 and SDR water piping systems thru 4" (110 mm) unless primer is required by local code.
- Do not use 777 without primer in any other application, schedule or size such as Sch. 80

## 724CPVC

■ ORANGE

Set Time  
Medium

12" (315 mm)  
CPVC and PVC  
All classes  
& schedules

ASTM F 403 2564  
NSF/ANSI 14  
NSF/ANSI 61

- Premium, high-strength, chemical-resistant solvent cement for use with CPVC and PVC piping systems carrying acids, bases, salts and hypochlorites.

## P-79

■ PURPLE/CLEAR □

Set Time  
Medium

12" (315 mm)  
CPVC and PVC  
All classes  
& schedules

ASTM F 856  
NSF/ANSI 14  
NSF/ANSI 61

- Premium industrial strength primer essential for proper softening and preparation of PVC and CPVC pipe and fitting surfaces
- Specially recommended for use on Schedule 80 (PN 10 and higher) and large size pipe.
- Excellent for cold weather applications.



# MAXFLOW HI-TECH PPRC PIPES & FITTINGS

FOR HOT & COLD WATER DISTRIBUTION



Made in Turkey



## MAXFLOW SANITARY PIPES & FITTINGS

Maxflow PPRC pipes that are produced from Polypropylene Random Copolymer PPR 100 as raw material having low melt flow rate, high molecular weight, and good flexibility. Maxflow pipes are resistant to chemicals and are used for sanitary systems for transportation of hot and cold water.

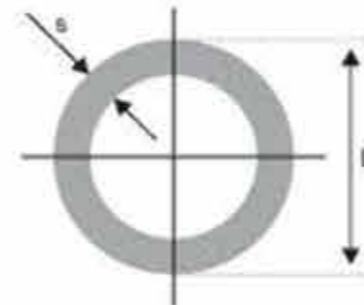
## DISTINCTIVE CHARACTERISTICS OF MAXFLOW

The surveys we made in the market show that only Maxflow branded PPRC fittings are designed in conical construction in compliance with German DIN standards. The metal fittings of PPRC have double anti-locking system which ends the problem of leaking. Maxflow ensures:

**HYGIENE  
ECONOMICAL  
SAFE**

Maxflow Hi-Tech PPRC gives special emphasis to meet all the requirements of health, hygiene and clean drinking water transport (German Hygiene Institute). Hence guaranteeing the health of its customers from raw material to end product. That is why all the important hospitals prefer to use PPRC pipes and fittings with Maxflow brand on it. Only Maxflow PPRC pipes and fittings are manufactured to withstand PN 25 pressure and give at least 50 years life guarantee.

**STANDARDS**  
 TS EN ISO 15704-2 &3  
 Polypropylene Pipes & Attachments for Hot and Cold Water  
 DIN 1988  
 Indoor Drinking water lines  
 DIN 8076  
 Polypropylene Pipes, General Quality Conditions and tests  
 DIN 8077  
 Polypropylene Pipes, Sizes  
 DIN 16962  
 Polypropylene Pipe Joints and Flans for Pressurized Pipes



Nominal Diameter External Diameter D mm	Wall Thickness S mm	Approximate Unit Weight Kg/meter
20	3.4	.159
25	4.2	.247
32	5.4	.406
40	6.7	.631
50	8.4	.978
63	10.5	1.558
75	12.5	2.208
90	15	3.179



### MAXFLOW FITTINGS WITH METAL PARTS NEVER LEAK

As for fittings with metal by means of strong injection process and proper metal design, tension that provides impermeability is achieved at inner and outer canals. It passes the tests of 1 hour under 64 bars at 25 C° and 1000 hours under 16.8 bars at 95 C° product that are not internationally certified cannot guarantee 50 years of service life and cannot attain conformation to German DIN standards.



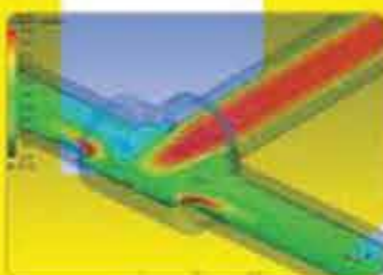
### MAXFLOW METAL FITTINGS WITH DOUBLE ANTI-LOCKING SYSTEM HAVE THE HIGHEST TORQUE VALUE

During installation, a torque (rotating) force is applied to the fittings with metal parts. While internationally certified MAXFLOW fittings with Double anti-locking system resist 60-70 N/m of torque, others can only resist up to 35-40 N/m. At fittings that do not have torque resistance conforming to the standards, metal peels off the plastic due to the rotating force and impermeability no longer functions.



### ONLY THE WELDING AREA OF MAXFLOW FITTINGS HAS A CONICAL SHAPE

One of the must condition of proper welding is temperature and is provided by the welding tool. The other condition is the pressure and is provided by the conical shape of the fitting. When the fitting doesn't have a conical shape then excessive material would accumulate on the surface and reduce the diameter of the hole. As a result, noise, loss of energy and problematic system will occur and welding having 50 years of service life cannot be achieved.



### WITH MAXFLOW HI-TECH PPRC PLUMBING RUNS EASILY

In HI-TECH fittings, local loss coefficients is 30% lower. Water passing through the fittings leaves the fittings with minimum loss thanks to the easy passage presented through HI-TECH fittings. Each fitting is designed after testing with liquid flow analysis through a computerized program. Total loss in the fittings composes the large percentage of the total pressure loss in plumbing. Fresh water and central heating systems, established with HI-TECH PPRC fittings, runs with minimum energy.



### ONLY THE PRESSURE NOMINAL (PN) VALUE OF MAXFLOW PIPES AND FITTING IS 25.

MAXFLOW, by means of high product design capability, production process and the raw materials used, is the first and only company to present PN 25 products under 50 years of guarantee.



### NO MORE CRACKING PIPES THANKS TO HI-TECH PPRC SERIES

It is inevitable for PPRC pipes to be cracked in cold weather. MAXFLOW HI-TECH PPRC pipes absorb impact force, provides 30% more impact endurance than the regular pipes.

# PPRC INSTALLATION & GUIDELINES

- 01** Check whether the welding machine is warmed up to 260 C and the welding tools are clean
- 02** Cut the pipe with the pipe scissor vertical to its axis.
- 03** Push both the pipes & its fittings simultaneously and perpendicularly towards welding tools.
- 04** Combine the pipe & the fitting that you have pulled out of the welding tool without losing time. Do not twist the pipe & the fitting during the welding.
- 05** Please follow the points mentioned in the catalog.



Timetable for Welding Maxflow PPRC pipes and fittings.

Outer diameter of Pipe (mm)	Heating up (sec)	Processing (Sec)	Cooling Period (min)	DVS2207
16	5	4	2	Welding Machine
20	5			
25	7			
32	8	6	4	
40	12			
50	18			
63	24	8	6	
75	30			
90				

### Important:

Before operation, be sure that your welding machine is in good working condition.

### Important Note:

- 1- While using the first time, the welding machine should be run in an open area. After a while the smell and the smoke will disappear spontaneously.
- 2- Run the welding machine at 220 volt and grounded plug.
- 3- After welding is finished make a leakproofing test for joined pipes and fittings.

# SCH-80 UPVC & CPVC

## PIPES, FITTINGS & VALVES

HIGH PRESSURE, TEMPERATURE & STRONG CHEMICAL RESISTANCE



# SCH-80 PIPE

UPVC SCH-80 Pipe is Manufactured to the Following Standard Specifications

Type	Material (Cell Classification)	Dimensions	Commercial Classification
PVC Schedule 80	ASTM D-1784 (12454)	ASTM D-1785	Type I, Grade 1, PVC 1120
CPVC Schedule 80	ASTM D-1784 (23447)	ASTM F-441	Type IV, Grade 1, CPVC 4120

Schedule 80 PVC and CPVC Pipe Dimensions, Weights and Maximum Operating Pressure

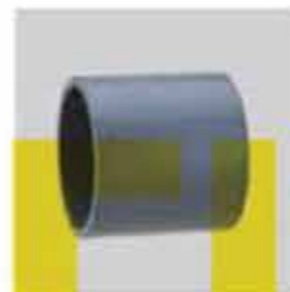
Nominal Pipe size (Inches)	Outside Diameter		Wall Thickness		Approx. Inside Diameter (mm)	Nominal Weight		Max. Operating Pressure (psi)
	mm	mm	mm	mm		PVC (kg/ft)	CPVC (kg/ft)	
1/2"	21.336	±0.1016	3.734	±0.508	13.462	0.095	0.105	850
3/4"	26.670	±0.1016	3.912	±0.508	18.288	0.127	0.141	690
1"	33.401	±0.127	4.547	±0.5334	23.876	0.186	0.205	630
1-1/4"	42.164	±0.127	4.851	±0.5842	32.004	0.259	0.282	520
1-1/2"	48.260	±0.1524	5.080	±0.6096	37.592	0.314	0.345	470
2"	60.325	±0.1524	5.537	±0.6604	48.514	0.436	0.477	400
2-1/2"	73.025	±0.1778	7.010	±0.8382	58.166	0.664	0.727	420
3"	88.900	±0.2032	7.620	±0.9144	72.644	0.891	0.973	370
4"	114.300	±0.2286	8.560	±1.016	96.266	1.300	1.418	320
5"	141.300	±0.254	9.525	±1.143	121.158	1.805	1.973	290
6"	168.275	±0.2794	10.973	±1.3208	145.034	2.482	2.709	280
8"	219.075	±0.381	12.700	±1.524	192.278	3.773	4.118	250
10"	273.050	±0.381	15.062	±1.8034	241.046	5.591	6.105	230
12"	323.850	±0.381	17.450	±2.0828	286.766	7.695	8.400	230
14"	355.600	±0.381	19.050	±2.286	315.214	9.227	10.073	220
16"	406.400	±0.4826	21.412	±2.5654	360.934	11.864	12.950	220
18"	457.200	±0.4826	23.800	±2.8448	406.654	14.845	16.205	220
20"	508.000	±0.5842	26.187	±3.1496	452.374	18.168	19.832	220
24"	609.600	±0.7874	30.937	±3.7084	544.068	25.773	28.132	210

Schedule 40 PVC Pipe Dimensions, Weights and Maximum Operating Pressure

Nominal Size (Inches)	Outside Dia (mm)	Wall Thickness (mm)	Nominal Avg. Weight (Kg/m)	Pressure Rating (Bar)
2" SCH-20	60.32	2.3	0.768	11.00
3" SCH-20	76.20	2.7	1.093	8.62
4" SCH-20	114.30	3.1	1.417	11.00
6" SCH-20	152.40	3.2	1.967	8.62
8" SCH-20	219.10	4.0	2.682	8.62
10" SCH-20	273.05	4.5	3.333	11.00
12" SCH-20	323.85	5.0	3.984	8.62
14" SCH-20	355.60	5.5	4.635	8.62
16" SCH-20	406.40	6.0	5.286	8.62
18" SCH-20	457.20	6.5	5.937	8.62
20" SCH-20	508.00	7.0	6.587	8.62

NOTE: Maximum operating pressure is applied to 73°F

# SCH-80 FITTINGS



**COUPLING**  
Size: 1/2" ~ 12"  
Joint End: S x S/FT x FT  
Material: UPVC, CPVC



**ELBOW 90d**  
Size: 1/2" ~ 12"  
Joint End: S x S/S x FT/FT x FT  
Material: UPVC, CPVC

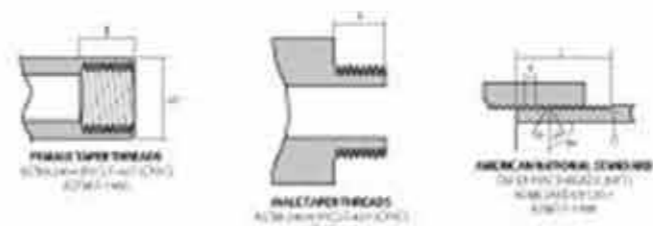


**TEE**  
Size: 1/2" ~ 12"  
Joint End: SxSxS/FTxFTxFT/  
SxSxFT  
Material: UPVC, CPVC

Socket Dimensions



Thread Dimensions



**CAP**  
Size: 1/2" ~ 12"  
Joint End: Threaded/Socket  
Material: UPVC, CPVC



**FEMALE ADAPTER**  
Size: 1/2" ~ 4"  
Joint End: S x FT  
Material: UPVC, CPVC



**REDUCING BUSH**  
Size: 1/2" ~ 12"  
Joint End: S x S/S x FT  
Material: UPVC, CPVC



**LARGE DIAMETER FITTINGS**  
Size: 4" ~ 24"  
Joint End: Threaded/Socket  
Material: UPVC, CPVC



**MALE ADAPTER**  
Size: 1/2" ~ 4"  
Joint End: Mpt x Socket  
Material: UPVC, CPVC



# SCH-80 VALVES

**SANKING BALL VALVE (NEW TYPE)**  
 Item No: B0  
 Size: 1/2" - 4"  
 Joint End: Socket (ANSI/CNS/DIN/JIS)  
 Threaded(PT/NPT/BSPF)  
 Working Pressure: 150PSI  
 Schedule 80



No.	Material	Pcs
20	EPDM	4
18	ABS	1
17	PVC	2
10	ABS	1
07	TPV	2
06	PVC	1
05	PVC	1
01	PVC	1

**SANKING TRUE UNION BALL VALVE**  
 Specification:  
 Item No: B0  
 Size: 1/2" - 4"  
 Joint End: Socket (ANSI/CNS/DIN/JIS)  
 Threaded(PT/NPT/BSPF)  
 Flanged  
 Working Pressure: 150PSI  
 Schedule 80



No.	Material	Pcs
20	EPDM/VTON	1
18	ABS	1
17	UPVC/CPVC/PP	2
15	UPVC/CPVC/PP	2
10	ABS	1
08	UPVC/CPVC/PP	1
07	TPV/PTFE	2
04	UPVC/CPVC/PP	1
01	UPVC/CPVC/PP	1
01	UPVC/CPVC/PP	1

**SANKING TRUE UNION CHECK VALVE (BALL TYPE)**  
 Item No: C5  
 Size: 1/2" - 2"  
 Joint End: Socket (ANSI/CNS/DIN/JIS)  
 Threaded(PT/NPT/BSPF)  
 Working Pressure: 150PSI  
 Specification: Schedule 80



No.	Material	Pcs
20	EPDM	4
18	ABS	1
17	PVC	2
10	ABS	1
07	TPV	2
06	PVC	1
05	PVC	1
01	PVC	1

**SANKING CHECK VALVE (SWING TYPE)**  
 Item No: C5  
 Size: 2-1/2" - 6"  
 Joint End: Socket (ANSI/CNS/DIN/JIS)  
 Threaded(PT/NPT/BSPF)  
 Working Pressure: 150PSI  
 Specification: Schedule 80



No.	Material	Pcs
01	UPVC/CPVC	1
02	UPVC/CPVC	1
03	UPVC/CPVC	1
20	EPDM	1
21	EPDM	1
26	UPVC/CPVC	1
31	SUS304	8
32	SUS304	8
33	SUS304	8

Flange Van-Stone



ITEM NO: F Size: 1/2" - 12"  
 Joint End: Socket(ANSI)  
 Threaded(PT/NPT/BSPF)  
 ANSI [150LBS]  
 Material: UPVC

One Piece Flange

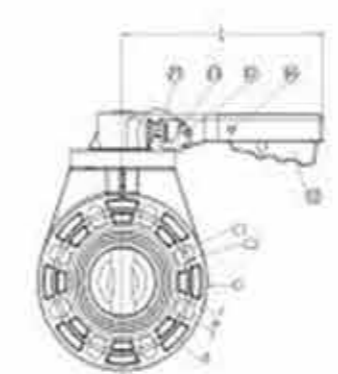


ITEM NO: F Size: 1/2" - 12"  
 Joint End: Socket(ANSI)  
 Threaded(PT/NPT/BSPF)  
 ANSI [150LBS]  
 Material: UPVC

Union



ITEM NO: U Size: 1/2" - 4"  
 Joint End: Threaded(PT/NPT,  
 BSPF)  
 Socket (ANSI,CNS,DIN,JIS)  
 Material: UPVC, CPVC



ITEM	PART	MATERIAL	QTY
09	BODY	PVC/CPVC/PP/PVDF	1
01	ORC	EP	1
05	STEM	SS 304	1
10	SPACER	ABS	1
11	SEAL WEDGE	PVC/CPVC/PP/PVDF	1
12	SPACER (L&R)	PVC/CPVC/PP/PVDF	2
13	LOCKWASHER	PVC/CPVC/PP/PVDF	1
14	WASHER	ABS	1
18	CAP	ABS	1
19	BOTTOM CAP	EP	1
25	WHEEL	SS 304	1
21	BALL	SS 304	1
02	FRG	SS 304	1
41	ORNG	EPDM/VITON	4
47	ORNG	EPDM/VITON	1

(HANDLE LEVER TYPE)  
**SANKING BUTTERFLY VALVE**  
 Item No: 81  
 Size: 2" - 12"  
 Joint End: Flange (ANSI/CNS/DIN/JIS)  
 Working Pressure: 150PSI  
 Specification: Schedule 80

## True Union Diaphragm Valve

**DESCRIPTION:**  
 1) Material: PVC, CPVC, PP, Clear PVC, PVDF  
 2) Size: 1/2" - 4"; 20mm - 110mm; DN15 - DN100  
 3) Standard: ANSI, DIN, JIS  
 4) Joint End: Socket, Threaded(NPT, PT, BSPF); Fusion, Welding  
 5) Working Pressure: 150 PSI  
 6) Operating Temperature: PVC(0-55 C°), CPVC & PP(0-95C°)  
 7) Valve body color: PVC(dark gray), CPVC(light gray), PP(light yellow),  
 Clear PVC(transparent), PVDF(ivory)

**ADVANTAGES:**  
 1) Materials meet drinking water standard  
 2) Improved designs and performance  
 3) 100% pure virgin material, CaCO3 free (chalk)  
 4) UV resistant powder added  
 5) Clear body is available to check working status  
 6) Diaphragm is available in EPDM, PTFE & VITON



Gate Valve



ITEM NO: 111 Size: 2" - 40"  
 Joint End: FLANGE  
 TYPE [150LBS]  
 DIN [PN10] JIS[10K]  
 Material: FRP

Strainer



ITEM NO: 117 Size: 1/2" - 4"  
 Joint End: FLANGE  
 TYPE [150LBS]  
 DIN [PN10] JIS[10K]  
 Material: UPVC  
 SPECIFICATION: Schedule 80

Pneumatic Ball Valve



ITEM NO: BDA Size: 1/2" - 4"  
 Joint End: Threaded(PT/NPT,  
 BSPF)  
 Socket (ANSI,CNS,DIN,JIS)  
 Material: UPVC, CPVC  
 SPECIFICATION: Schedule 80

# VALVES

## GENERAL RECOMMENDATION & GUIDELINE



### 1. Cutting and Deburring

Pipe ends must be cut square. Debur or level the pipe 10-15° and clean the joints.



### 2. Test Dry Fit of the joint

Check the pipe and fittings for dry fit before cementing. The pipe should be inserted to the fittings easily about 1/3 to 2/3 of the socket depth.



### 3. Inspection, Cleaning

Visually inspect the inside of the pipe and fitting sockets and remove all dirt, grease or moisture with a clean dry rag.



### 4. Priming

Apply Primer to the surface of pipe and fitting socket with a natural bristle brush.



### 5. Application of Solvent Cement

Apply the solvent cement evenly and quickly around the outside of the pipe at a width a little greater than the depth of the fitting socket while the primer is still wet. Apply a light coat of the cement evenly around the inside of the fitting socket.



### 7. Cleanup

Remove all excess cement from around the pipe and fitting with a dry cotton rag while the cement is still soft.

### 6. Joint Assembly

Work quickly; insert the pipe into the fitting socket bottom with a one-quarter turn to evenly distribute the cement. Do not continue to rotate the pipe after it has reached the bottom of the fitting socket. A good joint will have sufficient cement to make a bead all the way around the outside of the fitting hub. Hold the pipe and fitting together for a minimum of 30 seconds to make sure the pipe does not move or push out of the socket.

## Unloading and Handling

### NOTE

The impact resistance and flexibility of PVC and especially CPVC pipe are reduced by lower temperature conditions. The impact strength for both types of piping materials will decrease as temperatures approach 32°F (0°C) and below. Extreme care should be taken when unloading and handling pipe in cold weather. Dropping pipe from a truck or forklift can cause damage. Methods and techniques normally used in warm weather may not be acceptable at the lower temperature range.

### Handling and Storing on Site:



# CERTIFICATES

