

ABOUT FLOWKEM

Flowkem started the journey from manufacturing Ball– valves and was incorporated in 2014 with a vision to provide best quality pipes and fittings across the country. Today we are an ISO 9001:2015 certified organisation whose aim is to make quality products available to every household and industry at best prices in the country.

Our manufacturing facility located at Ahmedabad (Gujarat) is equipped with modern and state of art machinery and infrastructure, covering a total area of 16 acres of which 22000 square meters of constructed area with 05 extrusion machines and 55 Injection moulding machines. Our products are produced in accordance with the Indian standards set by Bureau of Indian Standards (BIS) and other approving agencies.

- We manufacture CPVC, UPVC, SWR pipes and fittings & Agriculture Pipes and Moulded fittings. The pipes and fittings are available in various sizes, pressure classes and diameters fit for diversified applications in both agricultural as well as nonagricultural sectors including housing, industrial and construction.
- Under the leadership of Mr. Shailesh Patel, Managing Director, Flowkem has expanded into the plumbing industry. He is a person of great vision, exemplary talents and many achievements. His energy and enthusiasm have brought the Company to achieve many milestones. Beginning the journey from manufacturing Ball-valves in 2002 to venturing into plumbing and drainage systems, Flowkem has grown to be one of the popular brands in many markets in India.

We are growing at a fast pace and working with numerous channel partners across India which help us in reaching customers effectively. We also have an efficient marketing & sales infrastructure supported by professional team.

FLOWKEM aims to create its niche in plumbing and other water solution products. The customers' satisfaction is the most important goal for FLOWKEM.







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Certifications



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KUJAD BAKROL ROAD, VILLAGE: BAKROL BUJRANG TAL: DASKROL DISTT : AHMEDABAD - 382430 GUJARAT Dear Sir. With reference to your application, we are pleased to inform you that it has been decided to grant you a licence to use the Standard Mark in respect of the following: Product: Unplasticized Polyvinyl Chloride (UPVC) Injection Moulded Fittings for Soil and Waste Discharge System for Inside and Outside Buildings Including Ventilation and Rain Water System IS No : IS 14735 : 1999 Type/Size/Grade/Variety covered under licence : 1) 75MM, 110MM and 160MM DN BEND 45° with socket for solvent cement jointing and Groove socket without door, 2) 110MM X 75MM DN REDUCER with socket for solvent cement jointing and Groove socket. 3) 75MM & 110MM DN SINGLE Y 45° with Groove socket with and without door. 4) 75MM & 110MM DN SINGLE Y 45° socket for solvent cement jointing with and without door, 5) 75MM, 110MM and 160MM DN BEND 87.5° with socket for solvent cement jointing and Groove socket with and without door. 6) 75MM, 110MM and 160MM DN COUPLER with socket for solvent cement jointing and Groove socket, 7) 75MM, 110MM and 160MM DN SINGLE TEE 87.5° with socket for solvent cement jointing and Groove socket with and without door and 8) 75MM DN NAHANI TRAP(WITH JALI)

भारतीय मानक

as per 1S 14735 : 1999

BUREAU OF INDIAN STANDARDS

दरमाथ ।

27540317, 27540318

27540319, 27540320

REGISTERED A/D

अहमप्राचाद शाखा कार्यालय : लीवत तल, नवतीवन अमृत जयंती भवन,

Ahmedabed Branch Office : Ill Floor, Navjvan Amnit Jayanti Bhavan,

पेटकार

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079-27640638

गजरान विचापीट के पीछे, जीक साम्रज रोड,

Dated :16 Oct 2017

Behind Oujarat Vidyapith, Off Ashna Road, Ahmedabad - 380 054.

मुख्यालय : मानक भवन, 9 बहावुर शाह उफर मार्ग, नई दिल्ली - 110002. HEAD OFFICE : MANAK EHAVAN, 9 BAHADUR SHAH ZAFAR MARG, NEW DELH - 110032.

For Training Needs, please contact National Institute of Training for Standardization, A-20 & 21 Institutional Area, Sector 60 Noida 201307 at Telephone(s) 0120-24-2201 to 05, 457023, Tel/Fax No. 0129-24-22-2-03, or e-mail : hnits@bis.org.in, nits@bis.org.in;

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ASSURANCES

- STATE OF ART
 MANUFACTURING FACILITIES
- ADVANCED MACHINERY
 FOR CONDESCENDING QUALITY

ADVANCED MATERIAL HANDLING SYSTEMS

- 100% INCOMING RAW & PACKING MATERIALS INSPECTIONS
- HIGH DIMENSIONAL ACCURACY TO MAINTAIN QUALITY OF EACH PIECE, TO ENSURE A PRODUCT DEFFECT FREE









- STRICT QUALITY CHECKS AT EVERY STAGE OF PRODUCTION
- 100% FINISHED GOODS INSPECTION

- MULTIPLE QUALITY CHECKS FOR SWR MOULDED
 FITTINGS THAT DISPATCHES FROM THE FLOWKEM FACTORY
- LAB TESTS PERFORMED
 FOR EVERY BATCH PRODUCED

 ROUTINE TEST CARRIED OUT AT EXTERNAL LAB LIKE BIS & CIPET











WHAT IS SWR PIPES AND FITTINGS ?

Flowkem SWR pipes and fittings are used for soil, waste and rain water management. These products are lightweight and easy to install. These 40 mm to 160mm pipes & fittings are used for non-pressure plumbing applications that discharge waste water without leakage. The pipes are manufactured according to internationally accepted quality standards and IS specifications. Flowkem SWR pipes are free from scale formation, rusting, weathering and chemical action. These pipes are immune to bacteria, fungi, micro-organisms, rodent and insect attack. The pipes conform to IS: 13592, while the fittings are manufactured as per IS: 14735. Flowkem SWR pipes and fittings are a permanent solution for sanitation and drainage systems, and are also cost effective compared to other conventional drainage systems in the market.

Flowkem SWR pipes and fittings can be joined together with an integrated ring or a solvent weld i.e. Selfit System. Two different classes of pipes, type A for use in ventilation pipe work and rain water harvesting applications and B for use in soil and waste discharge systems. Selfit fittings are fused with socket joints using solvent cement which makes a permanent homogeneous joint. SWR Pipes and fittings with integrated rings are manufactured on state-of-the-art extruders and socketed on online belling machines. The integrated ring which is pre-fitted in the groove of the socket is permanently positioned by the advanced co-moulded plastic unlike conventional rubber rings which have a tendency to come out during fitment. This forms a water tight joint and absorbs the linear expansion and contraction, keeping the seal intact. These techniques are very simple, and ensure a 100% leakproof system at a low installation and low maintenance cost. The pipes offer extremely smooth bores, leak proof joints, and a good hydraulic capacity over the total life of the system. Flowkem SWR pipes and fittings are UV stabilised and can be installed outside the building.

WHY ONLY FLOWKEM SWR PIPE AND FITTINGS?

- Flowkem SWR pipes and fittings make leak-proof and ensure proper flow.
- High degree of accuracy at manufacturing ensures perfect dimensional control.
- SWR pipes and fittings are non-reactive to most acids, alkalis, effluents, salt, minerals etc.
- SWR pipes and fittings withstand high flow rates and due to smooth surface there is no scaling or depositions or chocking
- UV Stabilized to protect from direct sunlight while being operational.
- easy to installation and maintenance.
- PVC-U is a non-conductor of electricity, and therefore is not subject to galvanic or electrolytic action.
- Does not support fire and provides good resistance to combustion.
- Corrosion and rust proof which confirms longer durability of the product.
- Cost effective

STANDARDS AND CODES.

STANDARDS FOR PIPES AND FITTINGS

SWR PIPES AND FITTINGS ARE MANUFACTTURED IN SIZE FOR TYPE A FROM SIZE 40 MM TO 160 MM AND FOR TYPE B AS 40 MM TO 160 MM

Class of pipes/Aittings	Standard	Sizes available	Class of pipes/ <i></i> Pi cci ngs	Standard	Sizes available
SWR PIPE TY PE A	IS 13592	40 MM TO 160 MM	SWR 4IDTINGS	IS 14735	40 MM TO 160 MM
SWR PIPE TUPE B	IS 13592	40 MM TO 160 MM	SWR 4ITTINGS	IS 14735	40 MM TO 160 MM

	BASIC PROPERTIES OF U	PVC ARE AS BELOW	,
Sr. No.	Property	Units	Specified Value
1	Density	g/cm3	1.3-1.45
2	Thermal conductivity	w/(m.k)	0.14 - 0.28
3	Yield strength	MPa	31 - 60
4	Young's modulus	psi	4,90,000
5	Flexural strength (yield)	psi	10,500
6	Compression strength	psi	9500
7	Coefficient of thermal expansion (linear)	mm(mm"c)	5 x 10-5
8	Vicat B	°C	65-100
9	Resistivity	Qm	1016
10	Surface resistivity	Q	10 🚯 - 10 🚯

Pipes - Dimensional Details /Technical Specification



PT-1				- C	
1 107	non	CIOI	201	ot n	IDOC
	161	101	13 1	טוע	IDEB
				F-	

Nominal Outsi DiameterDN	de Mean Out Diamete	side sr (mm)	Outside Thickne	Diametera ss, Point (m	tAny Wall nm) SType		Wall Thickness, S Type B (mm		
(mm)	Min	Max	Min	Max	Min	Max		Min	Max
75	75.0	75.3	74	.1 7:	5.9	1.8	2.2	3.2	3.8
90	90.0	90.3	88	8.9 9:	1.2	1.9	2.3	3.2	3.8
110	110.0	110.4	10	8.6 1:	11.4	2.2	2.7	3.2	3.8
160	160.0	160.5	15	i <mark>8.0</mark> 16	52.0	3.2	3.8	4.0	4.6

Maximum wall thickness of sockets of pipes

	NominalOuside DiameterDN	S2,Mi (mm)	in I	53,1 (mr	Min n)	
L.	(mm)	Туре А	Туре В	Туре А	Туре В	
	75	1.6	2.9	1.0	2.4	
	90	1.7	2.9	1.1	2.4	
	110	2.0	2.9	1.2	2.4	
	160	2.9	3.6	1.8	3.0	

Dimensions of grooved socket

100000

Nominal O Diameter D	Nominal Outside Inside Diameter DN of Sock		iameter et, D1(mm)	Inside Diameter of Beading, D2 (mm)		Length of Beading	9 Neck of	Length Beyond Beading (mm)	
						and Neck (mm) Socket (mm)		
₽						A	В	С	
(mm)	M	in	Max	Min	Max	Max	Min	Min	
75	75	5.3	76.2	84.5	85.5	20	5	25	
90	90	.3	91.2	99.5	100.5	5 <mark>2</mark> 3	5	28	
110	11	.0.4	111.3	120.3	121.3	3 26	6	32	
160	16	0.5	161.5	173.8	175.0	32	9	42	

Dimensions of socket for solvent cementing



Nominal Outside	Socket	Mean Inside Dian Midpoint, D1	neter of Socket at	
DiameterDN	Depth, C	Min	Max	
75	40.0	75.1	75.3	
90	46.0	90.1	90.3	
110	48.0	110.1	110.4	
160	58.0	160.2	160.5	

QC Checks SOP at Flowkem

*Dimensions:

To ensure that all pipe dimensions particularly wall thickness and outer dimensions (roundness), confirm to the appropriate standards.

Drop Impact test: Weights are dropped on the pipe to observe any crack or failure.

Heat reversion test: How much the pipe changes in length when heated in an oven and left to cool this is a measure of residual stresses left in the pipe during production process.

Tensile strength:

To find out the maximum stress that our pipe sample can withstand while being stretched or pulled before cracking OR to check the ability of a material to withstand a pulling force.

Stress Relief Test: The test specimens pipe must not show blisters excessive de-lamination or cracking or signs of weld line splitting after keeping under specified temperature (150°c) and specified time duration in air oven or immersion method.

*Vicat Softening Temperature (VST): To find out the softening point of the material. It is the temperature at which the specimen is penetrated to a depth of 1 mm by a flat ended needle with a 1 mm² circular or cross section. OR at which temperature. 1 mm² needle will penetrate in hot the sample 1 mm depth under a specified load.

*Water tightness of joint: To ensure the pipe joint are free from leakage when applying internal hydrostatic pressure.

*Effect of sunlight: To check the effect of sunlight on pipes by expose the sample in sunlight for 1600 hours and compare the initial & exposed sample for any physical property changes.

Resistance to H₂**so**₄: To check the resistance of pipe with concentrated sulphuric acid.

- ✤ Axial Shrinkage: To check the percentage change in length or shrinkage of pipe and tested at 90° c.
- * Resistance to Di-chloromethane at specified temperature: To check the gelation in pipe after conducting this test sample should not show any sign of attack.

Handling and Storage

Proper Handling

Please check and inspect the pipes on receipt. The pipes should be checked for any forms of transport damage due to shift in loads or improper handling/treatment. Visually examine the ends of pipes for any cracks or damage.

The pipes should be handled with care. The tendency to throw or drop the pipes to the floor should be avoided. Do not drag or push the pipes from a truck bed. Contact of pipes with from any sharp object should be totally avoided.

Solvent Cementing Instructions

When using solvent cement there are some basic safety measures all users should keep in mind.

Storage of Pipes

The pipes should preferably be stored indoors. When this is not possible, please ensure to:

- Protect the pipes from sun light, to reduce the effect of UV rays.
- Store on level ground and dry surface.
- If pipes of same diameter but different classes are being stacked together, place the thicker pipes below. i.e., Stack type B below type A. If placing pipes on racks, ensure the spacing between the supports does not exceed 3 feet.
- Do not store pipes on metal surfaces exposed to sunlight or reflective.

Installation Guideline For Ring Fit Joint

Step 1: Cutting

Measure and cut pipe to size. Ensure to cut the pipes straight and square. Inspect pipe ends thoroughly before making the cut, if any cracks or split in the ring is noticed cut off a minimum of 25 mm beyond the visible crack before proceeding.



After every application of solvent on the pipe / fitting ensure to put the lid back on the solvent cement containers and tighten the lid slightly to avoid evaporation and escape of solvent.

• Avoid prolonged breathing of solvent vapours. When pipe and fittings are being joined in enclosed areas, please ensure sufficient ventilation.

- Keep the cement away from all sources of ignition, heat, sparks and open flame.
- Keep containers of cement tightly closed except when the product is being used.
- Dispose of all rags used with solvents in a proper outdoor waste bin.
- Avoid eye and skin contact. In case of eye contact, flush with plenty of water for 15 minutes and call a doctor.

Installation Guideline For Pasting Type

Step 1: Cutting

Measure the pipe length accurately and make a visible marking using a felt tip pen. Ensure that the pipe and fittings are size compatible. You can easily cut with a plywood cutting saw/ ratchet cutter or a wheel cutter. Cutting the pipe as squarely as possible (at 90°) provides optimal bonding area within a joint. Inspect pipe ends thoroughly prior to making a joint. If a crack or splintering is noticed cut-off a minimum of 25 mm beyond the visible crack before proceeding.

Step 2: Deburring/ Bevelling

Burrs in and on pipe end can obstruct flow/proper contact between the pipe and socket of the fitting during assembly and should be removed from both in and outside of the pipe. A 15 mm dia half round file/a pen knife or a deburring tool are suitable for this purpose. A slight bevel on the end of the pipe will ease entry of the pipe into the socket of the fitting socket.

Step 4: Solvent Cement Application

Apply an even coat of solvent cement on the pipe and the socket end of the fitting. Do not use thickened or lumpy solvent cement. It should have a flow consistency like that of syrup or paint.

Step 2: Chamfering and Deburring

Burrs in and on pipe end can obstruct flow/proper contact between the pipe and socket of the fitting during assembly and should be removed from both in and outside of the pipe. A 15 mm dia half round file/a pen knife or a deburring tool are suitable for this purpose.



Step 3: Fitting Preparation

Use a clean dry cloth to wipe the dirt, moisture from the fitting and pipe end.

Step 4: Lubricant

Apply the lubricant on the chamfered end of the pipe.

Step 5: Assembly

Immediately insert the pipe into the fitting socket. Rotate the pipe slightly while inserting. Withdraw pipe until the mark is 12 mm away from socket. This means a 12 mm gap exists between the end of the pipe and the socket register. This gap will allow the pipe to expand without distorting the pipe-work jointing.



Step 3: Fitting Preparation

Using a clean dry rag, wipe the dirt and moisture from the fitting sockets and pipe end. Dry fit the pipe to ensure total entry into the bottom of the fittings socket and make a visible marking using a felt tip pen.

Step 5: Assembly

Immediately insert the pipe into the fitting socket, rotate the pipe ¼ to ½ turn while inserting. This motion ensures an even distribution of cement within the joint. Hold the assembly for 10 seconds to allow the joint to setup.



SWR PIPE & FITTINGS



Technical specification



SI No.	Nominel Diamoter BN	Mean Insid of Socket : /	le Diameter at Midpoint D _i	Length of Beading Neck A	Neck of Socket B	Length Beyond Bending C	Mean Outside Diameter of Spiget Pertien D ₂		
		Min	Max	Max	Min	Min	Min	Max	
	mm	mm	mm	mm	mm	mm	mm	mm	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
i)	40	40.1	41.1	18	5	18	40.0	40.3	
ii)	50	50.1	51.1	18	5	20	50.0	50.3	
iii)	63	63.1	64.1	18	5	23	63.0	63.3	
iv)	75	75.1	76.2	20	5	25	75.0	75.3	
V)	90	90.1	91.2	23	5	28	90.0	90.3	
vi)	110	110.1	111.3	26	6	32	110.0	110.4	
vii)	125	125.1	126.4	28	7	35	125.0	125.4	
viii)	140	140.2	141.4	30	8	38	140.0	140.5	
ix)	160	160.2	161.5	32	9	42	160.0	160.5	

St No.	Nominal Diameter	Wall Th At Pla	Wall Thickness At Plain End		At Socket		Nominal Diameter	Socket Depth	Mean Diam	Inside eter of	Mean Diam	Outside eter of
	DN		· .	e ₂ Min	ez Min	3	DN	· #	Socket at L	Mid Point	Spigot	Pertien D ₂
	mm	Min mm	Max mm	mm	ศากา			Min	Min	Max	Min	Max
(1)	(2)	(3)	(4)	(5)	(6)	(1)	(2)	(3)	mma (4)	mm (5)	mm (6)	mm (7)
i) ii)	50	3.2	3.8	2.9	2.4	i) ii)	40	26.0	40.1	40.3	40.0 50.0	40.3
iii)	63	3.2	3.8	2.9	2.4	iii)	63	36.0	63.1	63.3	63.0	63.3
iv)	75	3.2	3.8	2.9	2.4	iv)	75	40.0	75.1	75.3	75.0	75.3
V)	90	3.2	3.8	2.9	2.4	v)	90	46.0	90.1	90.3	90.0	90.3
vi)	110	3.2	3.8	2.9	2.4	vi)	110	48.0	110.1	110.4	110.0	110.4
vii)	125	3.2	3.8	2.9	2.4	vii)	125	51.0	125.1	125.4	125.0	125.4
viii)	140	3.6	4.2	3.2	2.7	viii)	140	54.0	140.2	140.5	140.0	140.5
ix)	160	4.0	4.6	3.6	3.0	ix)	160	58.0	160.2	160.5	160.0	160.5

PRODUCT PORTFOLIO OF SWR FITTINGS (RING-TYPE)

	Size (mm)	Size (In.)	Part No.	STD PKT		Size (mm)	Size (In.)	Part No.	STD PKT	Coupler	Size (mm)	Size (In.)	Part No.	STD PKT
Double Y	And a second				Single Y with Doo	or				(1993)	75	2 1/2"	44CUP750	88
	75	0.5.101	44097500			75	21/2*	44SYD7500	24		90	3"	44CUP900	-
	110	4*	44DY1100	14		110	4ª	44SYD1100	18		160	4 6"	44CUP160	64
Sec. March	52 - C			3 3	Double Y with Do	or				Bend 87.5°	1 1	Ē		ĩĨ
Reducing Tee					ATA	75	21/2"	44DYD7500	30		75	2 1/2"	44875000	50
	00775	2" V 21/2"	4487907500	~		110	4"	44DYD1100	12		90	3"	44B90000	-
	110X75	4" X 21/2"	44RT110750	26							160	6"	44B16000	12
	160X75	6" X 21/2" 6" X 4"	44RT160750 44RT160110	7		5 2					4 4	6		
	100x110	0	4411100110	6 ° 1	Reducing Tee with	h Door		78	70 T	Single Tee				
Double Tee						90X75	3" X 21/2"	44RTD90750	-	(mail)		0.4.007	44073500	
Double lee	75	21/2"	44DT7500	25	1 10	110X75	4" X 21/2"	44RTD11075	24		90	2 1/2 3"	44ST/500 44ST9000	36
	110	4*	44DT1100	17		160X75	6" X 21/2"	44RTD16075	6		110	4"	44ST1100	24
1000						TOUXITU	0 / 4	44610100110	0		160	6"	44ST1600	7
" 0					Double Tee with I	Door				-	a a		-	1
			1	K22 - 254		75	2 1/2"	44DTD7500	22		Size	Size	Part No.	STD
Pipe Clip						110	4"	44DTD1100	15	Reducer Coupler	(mm)	(in.)	, and the	РКТ
Ω	75 110 160	2 1/2" 4" 6"	44PC7500 44PC1100 44PC1600	400 350	Multi Floor Trap	without S	iq. Jali			8	110x75	4" X 2 1/2"	44R11075	60
Vent Cowl						110	4"	44MFT110	40					
	75	2 1/2"	44VC7500	168						Bend 87.5° with	Door			
	110	4"	44VC1100	150						And a	75	2 1/2"	44BD7500	45
(PARA)					SHOE BEND 45°	a – a		ř.	Ē Ē		90	3″	44BD9000	
						75	2 1/2"	44B45750	60	2-	110	4"	44BD1100	30
				s i		90	3** 4**	44B45900 44B45110	- 48	and the second second	160	6"	44BD1600	12
Bulshey Lubyland						160	6*	44845160	-		1. C	ы. — Э		a - a
Kubber Lubricant					Cleansing Pipe	1			1 I	Single Tee with I	Door			
	50 ml	TIN	44RL50	320	creating Pipe	1 1		ř.	Ē Ī		75	2 1/2"	44STD7500	30
D fields	100 ml	TIN	44RL100	192	and the	75	2 1/2"	44CP7500	48	6 m	90	3*	44STD9000	
	250 ml	TIN	44RL250	80	E S	110	4"	44CP1100	30		110	4"	44STD1100	20
	500 ml	TIN	44RL500	40		160	6"	44CP1600	7		160	6″	44STD1600	7

PRODUCT PORTFOLIO OF SWR FITTINGS (PASTING-TYPE)

	Size (mm)	Size (In.)	Part No.	STD PKT		Size (mm)	Size (In.)	Part No.	STD PKT	(Size mm)	Size (In.)	Part No.	STD PKT
Coupler	75 90 110 160	2 1/2" 3" 4" 6"	55CUP750 55CUP900 55CUP110 55CUP160	96 - 68 -	Reducer Coupler	110x75	4" X 2 1/2"	55R11075	60	Double Tee	75 110	21/2" 4"	55DT7500 55DT1100	27 18
Bend 87.5°	a 33			7 7	Bend 87.5° with I	Door					<u>d</u> d			
	75 90 110 160	2 1/2" 3" 4" 6"	55875000 55890000 55811000 55816000	56 - 45 12		75 90 110 160	2 1/2" 3" 4" 6"	55BD7500 55BD9000 55BD1100 55BD1600	50 - 39 12	PLAIN SOCKET ELB	63 75 90	2" 2 1/2" 3"	55PDE630 55PDE750 55PDE900	
Single Tee					Single Tee with D	oor					110	4*	55PDE110	
h	75 90 110 160	2 1/2" 3" 4" 6"	558T7500 55ST9000 55ST1100 55ST1600	43 - 30 7	da	75 90 110 160	2 1/2" 3" 4" 6"	55STD7500 55STD9000 55STD1100 55STD1600	36 - 26 7		63 75	2" 2 1/2"	55PDT630 55PDT750	
Single Y	3 8			<u>, </u>	Single Y with Doo	or	C 9		1 52		90	3* 4*	55PDT900	3
	75 110	21/2" 4"	55SY7500 55SY1100	32 22		75 110	21/2" 4"	55SYD7500 55SYD1100	30 18	Door Cap	75	2 1/2*	55DC7500	300
Double Y					Double Y with Do	or					110	4"	55DC1100	150
*	75 110	21/2" 4"	55DY7500 55DY1100	39 14		75 110	21/2" 4"	55DYD7500 55DYD1100	30	Nahani Trap wit	hout Jali	4" X 2 " 4" X 2 1/2" 4" X 3"	55NT11063 55NT11075 55NT11090	40 37 32
Reducing Tee					Duro Ring							, ***	00101100	28
h	90X75 110X75 160X75 160X110	3" X 21/2" 4" X 21/2" 6" X 21/2" 6" X 4"	55RT907500 55RT110750 55RT160750 55RT160110	- 30 7 7	\bigcirc	75 110 160	21/2" 4" 6"	55DR7500 55DR1100 55DR1600	720 320	Q Trap	110 X 11 125 X 11	0 4" X 4" 0 5" X 4"	55QT110110 55QT125110	18 18

Siz	e	Size	Part No.	STD
(mr	n)	(In.)		PKT
with Doo	r			1

Reducing Tee v

90X75	3" X 21/2"	55RTD90750
110X75	4" X 21/2"	55RTD11075
160X75	6" X 21/2"	55RTD16075
160X110	6" X 4"	55RTD160110

2 1/2"

4"

2

24 6 6

20

14

Double Tee with Door

75

110

75

90

110

160



Shoe Band 45°



	1 8	2
1/2"	55B45750	72
3"	55B45900	
4"	55B45110	48
6"	55B45160	12
	-	-

55DTD7500

55DTD1100

Cleansing Pipe



75	21/2*	55CP7500	50	
110	4 ^a	55CP1100	30	
160	6"	55CP1600	7	

INSTALLATION OF TRAPS

Select right type of trap from "P" / "Q"/ "S" traps as per the outlet angle required. Place the trap on firm base, pour with concrete on a slab and set it relative to the level of finished floor.

• Concrete can be poured around "P" / "Q" / "S" trap but Outlet to the trap must be left open clear to concrete.

• Place ASTRAL W.C. connector ring to the socketed end of trap.

	Size (mm)	Size (In.)		Part No.	ST PK	TD KT
Multi Floor T	rap Squa	re Ja	li			
	11	90	6"	55MFTS0	1160	110
Round Jali						
	I	10	4"	55RJ11	00	460
P Trap						
V	1100	(110 (110	4" X 4* 5* X 4*	55PTS1 55PT125	10 110	19 18
S Trap						
M	110	K110 K110	4" X 4" 5" X 4"	55ST110 55ST125	110	12 12
LIP Ring						
000	125	K110	5" X 4"	55LR125	110	į.
TYPE O	F COM	MON	IINS	TALLAT	ION	Í.



SOLVENT WELD JOINING METHOD :

1. CUT PIPE : Cut pipe square as joints are sealed at the base of the fitting socket. An angled cut may result in joint failure.

2. REMOVE BURR AND BEVEL : Remove all burr from inside and outside of pipe with a knife-edge file, or deburring tool. Chamfer (bevel) the end of the pipe 10° -15°

CLEAN : Remove surface dirt, grease, or moisture with a clean dry cloth.

3. DRY FIT : With light pressure, pipe should go one third to one half of the way into the fitting socket. Pipes and fittings that are too tight or too loose should not be used.

4. CEMENT : Apply a full even layer of cement to the outside of a pipe and medium layer of cement to the inside of a fitting.

5. JOIN PIPE AND FITTINGS : Assemble pipe and fitting socket till it contacts socket bottom. Hold pipe and fitting together until the pipe does not back out. Remove excessive cement from the exterior. A properly made joint will show a continuous bead of cement around the perimeter.

FIELD OF APPLICATION

ALOWKEM SWR pipes and fittings are used for soil, waste and rain water management. These products are lightweight and easy to install. Pipes E fittings are used for non-pressure plumbing applications that discharge wastewater without leakage. Two different classes of pipes, type (A for rainwater and B for soil, waste and vent are available.

Waste discharge system in residences, commercial complexes, resorts, hospitals, academic institutes.

- An ideal replacement for CI and GI piping.
- Venting of gases and odors in domestic plumbing.
- ✤ Non-pressure industrial drainage application (based on chemical compatibility).
- Rain water transportation and harvesting for residential & commercial buildings.

Note: Not suitable for compressed air and gases.

FLOWKEM POLY PLAST PRIVATE LIMITED

Regd. Off. : 5, Shukun Hebitet, 3rd Floor, Prerna Park Soc., Nr. L. G. Corner, Ramji Mandir Road, Maninagar, Ahmedabad - 380 008. INDIA. CIN NO. : U25200GJ2014PTC079977 Plant : Survey No./ Block No.: 417, 418, 419, Near Amba Hotel, New Mirjapur Cut, Nr. Mirjapur, Ahmedabad - Indore Highway, Vill.: Chamla, Tal.: Dehgam, Dist.: Gandhinagar, Gujarat - 387 610. INDIA. E-mail : info@flowkempipes.com | Web : www.flowkempipes.com