

॥ जलेषु जीवनम् ॥

KING[®]
PIPPES & FITTINGS

SINCE 1996



Plumbing / Drainage / Agriculture / Sanitary

PRODUCT CATALOGUE

CPVC Pipes & Fitting

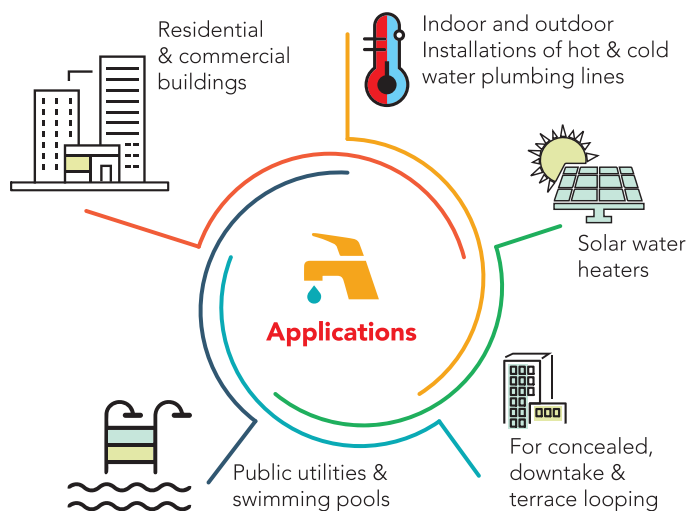
Chlorinated polyvinyl chloride (CPVC) is a thermoplastic produced by chlorination of polyvinyl chloride (PVC) resin and is used for hot and cold water lines. CPVC is the first choice of material for potable water supply and is in use across the world for more than 50 years. It is ideal for use in hot and cold water applications in villas and individual homes, residential apartments, complexes, commercial buildings, hotels and hospitals.

King CPVC compound shall meet cell class as per IS 15778 and a maximum service temperature up to 95°C.

King CPVC Pipes are produced in size from ½" (15mm) to 2" (50mm) in two different standard dimensional ratio SDR 11 and SDR 13.5 (Class-I and Class-II respectively as per IS 15778). Fittings are produced in SDR 11 & SCH 80 as per ASTM D2846 & F439.

All SDR 11 and 13.5 pipes are made from identical compound with same physical properties, confirm to all ASTM standards.

Joining of King Pipes CPVC Pipes and fittings are easy, time saving and cost effective. Only pipe cutter (knife), chamfering tool and solvent cement required for total plumbing work.



PRODUCT RANGE :

Pipes: ½" (15 mm) TO 2" (50 mm) SDR 11 & SDR 13.5, as per IS 15778
2½" (65 mm) TO 4" (100 mm) SCH 40 & SCH 80, as per ASTM F 441

Fittings: ½" (15 mm) TO 2" (50 mm) SDR 11 as per ASTM D-2846
2½" (65 mm) TO 4" (100 mm) SCH 80 as per ASTM F-439

Solvent Cements:

25 ml, 59 ml TUBE & 118 ml, 237 ml, 473 ml CANES



TECHNICAL SPECIFICATION OF CPVC PIPES AS PER IS 15778 : 2007

Nominal Diameter		Mean Outside Diameter In (mm)		Outside Diameter at Any Point (mm)		Working Pressure SDR 11, Class-1 (Kg/cm²)		Wall Thickness SDR 11, Class-1		Working Pressure SDR 13.5, Class-2 (Kg/cm²)		Wall Thickness SDR 13.5, Class-2	
inch	mm	Min	Max	Min	Max	At 27°C	At 82°C	Min	Max	At 27°C	At 82°C	Min	Max
½"	15	15.80	16.00	15.80	16.00	28.1	6.8	1.70	2.20	21.8	5.5	1.40	1.90
¾"	20	22.10	22.30	22.00	22.40	28.1	6.8	2.00	2.50	21.8	5.5	1.70	2.20
1"	25	28.50	28.70	28.40	28.80	28.1	6.8	2.60	3.10	21.8	5.5	2.10	2.60
1¼"	32	34.80	35.00	34.70	35.10	28.1	6.8	3.20	3.70	21.8	5.5	2.60	3.10
1½"	40	41.20	41.40	41.10	41.50	28.1	6.8	3.80	4.30	21.8	5.5	3.10	3.60
2"	50	53.90	54.10	53.70	54.30	28.1	6.8	4.90	5.50	21.8	5.5	4.00	4.60

TECHNICAL SPECIFICATION OF CPVC PIPES AS PER ASTM F 441

Nominal Diameter		Mean Outside Diameter In (mm)		Working Pressure SCH 40, (Kg/cm²)		Wall Thickness SCH 40		Working Pressure SCH 80, (Kg/cm²)		Wall Thickness SCH 80	
inch	mm	Min	Max	At 23°C	At 82°C	Min	Max	At 23°C	At 82°C	Min	Max
2½"	65	72.82	73.18	28.10	5.27	5.16	5.77	29.50	7.38	7.01	7.85
3"	80	88.70	89.10	18.30	4.57	5.49	6.15	26.00	6.33	7.62	8.53
4"	100	114.07	114.53	15.40	3.87	6.02	6.73	22.50	5.62	8.56	9.58

uPVC Pipes & Fitting

Unplasticized polyvinyl chloride (uPVC) pipes are made from a combination of plastic and vinyl. These pipes are durable, hard to damage and long lasting. They do not rust over a long period of time. Therefore, uPVC pipes are most commonly used for cold water applications in plumbing, water supply, underground drainage and sewage lines.

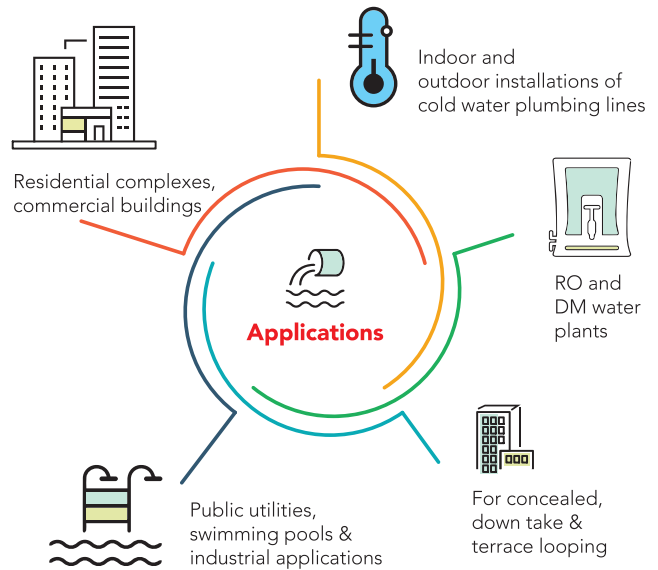
King Lead-free uPVC plumbing system is ideal for cold water pipelines in individual homes, buildings, and residential complexes. Lead-free uPVC pipes possess a High Limiting Oxygen Index (LOI) of 45 and hence, do not support spontaneous combustion. King UPVC pipes are self-extinguishing, light in weight, and cost effective in installation and maintenance.

King uPVC pipes and Fittings are lead free and non toxic, ideal for drinking water, technically superior, cost effective and ensure uninterrupted water flow from overhead water tank or underground water tank to toilet blocks, kitchen or to any other utility.

King lead-free plumbing system can be used in sunlight, exposed conditions as pipes and Fittings are UV stabilized (Standard grade of exterior latex paint (water based) recommends to protect the plumbing system in good condition.

King UPVC Pipes and Fittings show good chemical and corrosion resistance, low thermal conductivity, high strength to weight ratio, good impact resistance and easy of installation.

Joining of King Pipes and Fittings is simple, using one step solvent cement. Joining is accomplished quickly and efficiently utilizing only solvent cement, cutter or chaffering tool, reducing labour and installation cost.



PRODUCT RANGE :

Pipes: SCH 40 & SCH80 from 1/2" (15mm) TO 4" (100mm) as per ASTM D 1785

Fittings: SCH 80 from 1/2" (15mm) TO 4" (100mm) as per ASTM D2467

Solvent Cements: 25 ml, 59 ml TUBE & 118 ml, 237 ml, 473 ml CANES



TECHNICAL SPECIFICATION OF uPVC PIPES AS PER ASTM D 1785

Nominal Diameter		Mean Outside Diameter in (mm)		Working Pressure 23°C (kg/cm²)	Wall Thickness SCH 40		Working Pressure 23°C (kg/cm²)	Wall Thickness SCH 80	
inch	mm	Min	Max	SCH 40	Min	Max	SCH 80	Min	Max
1/2"	15	21.24	21.44	42.2	2.77	3.28	59.8	3.73	4.24
3/4"	20	26.57	26.77	33.7	2.87	3.38	48.5	3.91	4.42
1"	25	33.27	33.53	31.6	3.38	3.89	44.2	4.55	5.08
1 1/4"	32	42.03	42.29	26.0	3.56	4.07	36.5	4.85	5.43
1 1/2"	40	48.11	48.41	23.2	3.68	4.19	33.0	5.08	5.69
2"	50	60.17	60.47	19.6	3.91	4.42	28.1	5.54	6.2
2 1/2"	65	72.84	73.2	21.1	5.16	5.77	29.5	7.01	7.85
3"	80	88.7	89.1	18.3	5.49	6.15	26.0	7.62	8.53
4"	100	114.07	114.53	15.4	6.02	6.73	22.5	8.56	9.58

SWR systems include an extensive range of Soil, Waste, and Rainwater solvent weld and ringfit drainage products for commercial, industrial, housing, and commercial complexes. King SWR solutions for soil and waste discharge are built on the back of quality, flexibility, and product innovation backed by unrivalled installation options and the highest levels of customer service.

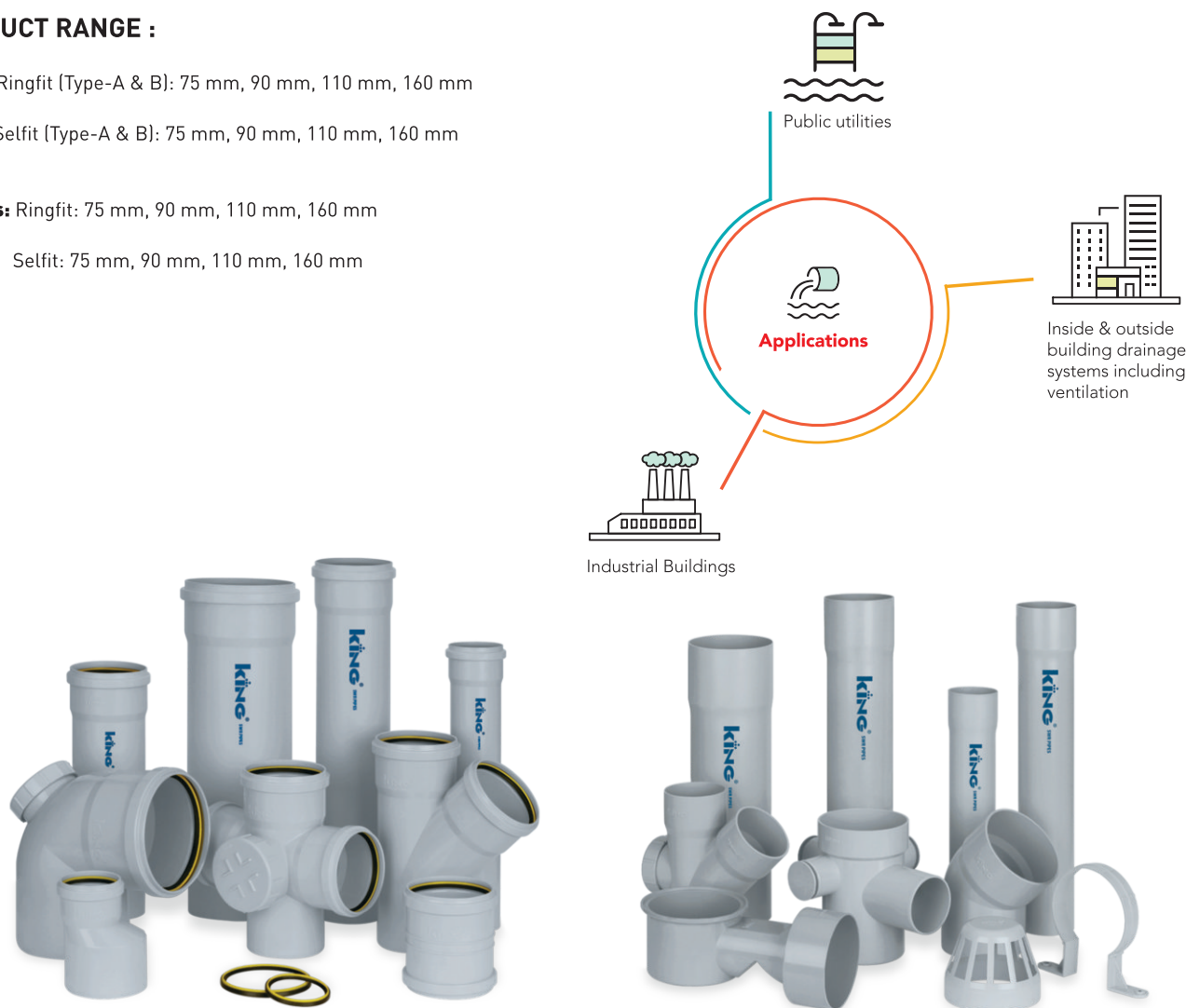
PRODUCT RANGE :

Pipes: Ringfit (Type-A & B): 75 mm, 90 mm, 110 mm, 160 mm

Selfit (Type-A & B): 75 mm, 90 mm, 110 mm, 160 mm

Fittings: Ringfit: 75 mm, 90 mm, 110 mm, 160 mm

Selfit: 75 mm, 90 mm, 110 mm, 160 mm



TECHNICAL SPECIFICATION OF SWR PIPES AS PER IS 13592 : 2013

Nominal Outside Diameter	Mean Outside Diameter (mm)		Outside Diameter at any Point (mm)		Wall Thickness S Type-A		Wall Thickness S Type-B	
	Min	Max	Min	Max	Min	Max	Min	Max
40	40	40.3	39.5	40.5	1.8	2.2	3.2	3.8
50	50	50.3	49.4	50.6	1.8	2.2	3.2	3.8
63	63	63.3	62.2	63.8	1.8	2.2	3.2	3.8
75	75	75.3	74.1	75.9	1.8	2.2	3.2	3.8
90	90	90.3	88.9	91.2	1.9	2.3	3.2	3.8
110	110	110.4	108.6	111.4	2.2	2.7	3.2	3.8
125	125	125.4	123.5	126.5	2.5	3.0	3.2	3.8
140	140	140.5	138.3	141.7	2.9	3.4	3.6	4.2
160	160	160.5	158.0	162.0	3.2	3.8	4.0	4.6

Agriculture

Pipes & Fitting

King Pipes offers a wide range of Rigid PVC pipes and fittings for agriculture and domestic applications. Pipes are manufactured with IS 4985 standards, and are available from 20 mm to 200 mm sizes in different pressure classes.

King Agri Fittings are manufactured as per IS 7834 as well as company's own standards covering complete range from 20 mm to 160 mm.

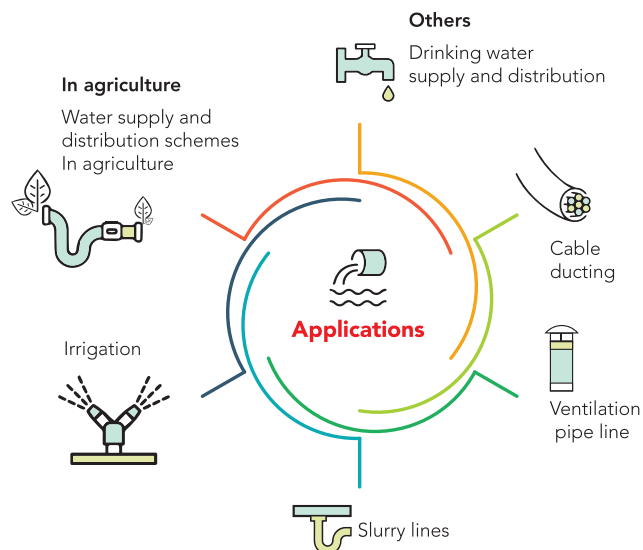
King Agri pipes and Fittings are manufactured from most advanced state of the art extruders and injection moulding machines with dimensional accuracy, tested with pressure, temperature and chemicals for long service life.

Joining of King Agri pipes and Fittings are easy, time saving and cost effective. Only pipe cutter (knife), chamfering tool and solvent cement required for total plumbing work.

King Agri pipes and Fittings are Leadfree, UV resistant and Easy to install.

They are good chemical resistant, free from toxins, odours and taste moreover they are cost-effective, easy to transport and easy to install.

King Agri pipes and Fittings use in agriculture particularly mainlines, branch lines for sprinkler and drip irrigation. These pipes and fittings are superior to conventional C.I. and D.I. pipes.



PRODUCT RANGE :

Pipes As Per IS 4984 : 2021
 Class 1, Class 2, Class 3, Class 5

Pressure Rating :
 2.5 kg/cm², 4 kg/cm², 6 kg/cm², 10 kg/cm²

Fittings :
 Sizes: 20 mm To 160 mm as per IS 7834

Solvent Cements:
 25 ml, 50 ml, 100 ml TUBE & 250 ml, 500 ml, 1000 ml Cans



TECHNICAL SPECIFICATION OF AGRICULTURE PIPES AS PER IS 4985 : 2021

Nominal Outside Diameter	Mean Outside Diameter (mm)		Outside Diameter at any Point (mm)		Class 1 (2.5 kg/cm ²)		Class 2 (4 kg/cm ²)		Class 3 (6 kg/cm ²)		Class 5 (10 kg/cm ²)	
mm	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
20	20	20.3	19.5	20.5	-	-	-	-	-	-	1.1	1.5
25	25	25.3	24.5	25.5	-	-	-	-	-	-	1.4	1.8
32	32	32.3	31.5	32.5	-	-	-	-	-	-	1.8	2.2
40	40	40.3	39.5	40.5	-	-	-	-	1.4	1.8	2.2	2.7
50	50	50.3	49.4	50.6	-	-	-	-	1.7	2.1	2.8	3.3
63	63	63.3	62.2	63.8	-	-	1.5	1.9	2.2	2.7	3.5	4.1
75	75	75.3	74.1	75.9	-	-	1.8	2.2	2.6	3.1	4.2	4.9
90	90	90.3	88.9	91.1	1.3	1.7	2.1	2.6	3.1	3.7	5.0	5.7
110	110	110.4	108.6	111.4	1.6	2.0	2.5	3.0	3.7	4.3	6.1	7.1
125	125	125.4	123.5	126.5	1.8	2.2	2.9	3.4	4.3	5.0	6.9	8.0
140	140	140.5	138.3	141.7	2.0	2.4	3.2	3.8	4.8	5.5	7.7	8.9
160	160	160.5	158.0	162.0	2.3	2.8	3.7	4.3	5.4	6.2	8.8	10.2
180	180	180.6	177.8	182.2	2.6	3.1	4.2	4.9	6.1	7.1	9.9	11.4
200	200	200.6	197.6	202.4	2.9	3.4	4.6	5.3	6.8	7.9	11.0	12.7

uPVC Column Pipes

For Submersible Pump



To extract ground water for farms & fields



Applications



To extract ground water for residential & commercial buildings as well as public places

King introduces column pipes for borewell applications. Designed and manufactured by using latest machineries and virgin raw material. King uPVC column pipes are the most suitable pipes for submersible pumps offering advantages like easy installation and very less friction compared to GI pipes.. Excellent Corrosion and Chemical Resistant Strong and Durable. Easy and Quick Installation. Long Life In order to supply error free pipes and couplers to its users, King follows stringent quality control procedure before dispatching to market and people.

Following tests are compulsory at king quality control department.

- Test standard. Impact strength. Tensile strength. Joint pressure test. Specific gravity Power saver Light in weight Short term hydrostatic pressure. No electrolytic deposition. Cost effective. No rusting, no corrosion

Pipes: King offers a wide range of column pipes like 25 to 100 mm {1" to 4"} dia in V4, Medium, Standard, Heavy & Super Heavy variants these seven varieties of pipes designed for different Installation depths cater to all the pump delivery head.



LOAD & PRESSURE TECHNICAL CHART

Nominal Outside Diameter		Class	Safe Allowable	Ultimate Breaking	Safe Pulling
inch	mm		Pressure (kg/cm ²)	Load (kgf)	Load (kgf)
1"	25	V4	12.5	850	500
	25	MEDIUM DUTY	15.0	1000	600
	25	STANDARD DUTY	30.0	1900	1100
1¼"	32	V4	12.5	1300	800
	32	MEDIUM DUTY	15.0	1550	900
	32	STANDARD DUTY	25.0	2550	1500
	32	HEAVY DUTY	35.0	3100	1800
1½"	40	V4	12.5	1700	1000
	40	MEDIUM DUTY	15.0	2000	1200
	40	STANDARD DUTY	25.0	2950	1700
	40	HEAVY DUTY	35.0	4050	2350
2"	50	V4	13.0	2450	1450
	50	MEDIUM DUTY	16.0	3150	1850
	50	STANDARD DUTY	21.0	3600	2100
	50	HEAVY DUTY	35.0	5650	3350
2½"	65	MEDIUM DUTY	12.0	3100	1800
	65	STANDARD DUTY	16.0	4650	2700
	65	HEAVY DUTY	26.0	7000	4200
	65	SUPER HEAVY	35.0	9000	5300
3"	80	MEDIUM DUTY	10.0	4400	2600
	80	STANDARD DUTY	17.0	6800	4000
	80	HEAVY DUTY	26.0	9600	5650
	80	SUPER HEAVY	35.0	12400	7300
4"	100	MEDIUM DUTY	10.0	6800	4000
	100	STANDARD DUTY	15.0	10000	5900
	100	HEAVY DUTY	26.0	15900	9350
	100	SUPER HEAVY	35.0	20600	12150

TECHNICAL SPECIFICATION OF COLUMN PIPES

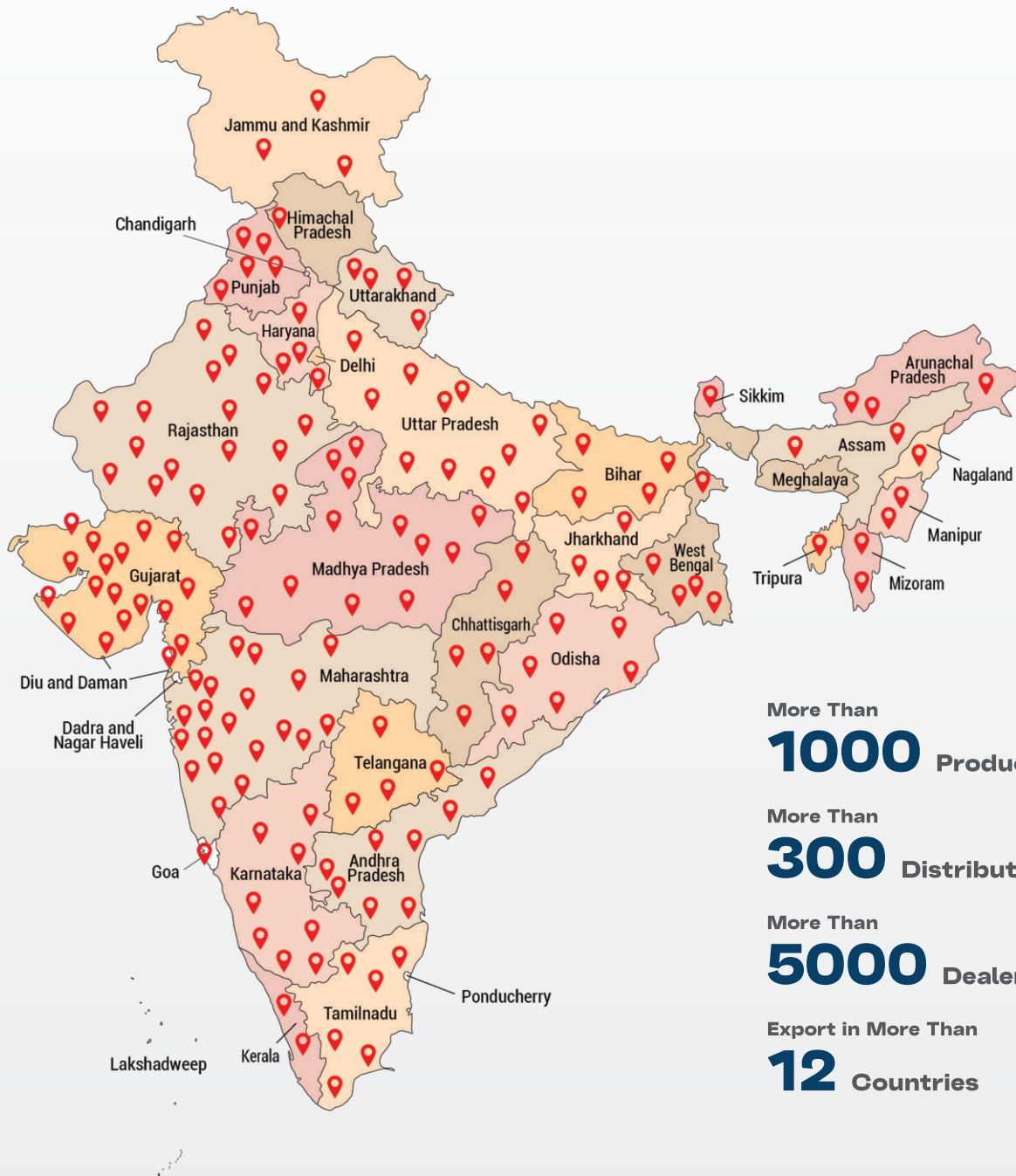
OD-Outside Dia ND-Nominal Dia		Working Pressure	Wall Thickness (mm)				Outer Diameter (mm)		Effective Length (mm)	Length of Thick Thin
Size	Type		End (Min.)	End (Max.)	Barrel (Min.)	Barrel (Max.)	Min.	Max.		
OD:33mm (1") ND:25mm										
V4	Coupler	12.50	3.00	3.30	1.70	2.00	32.80	33.20	3000±10mm	200-200
Medium	Coupler	15.00	3.80	4.20	2.50	2.80	32.80	33.20	3000±10mm	250-250
Standard	Coupler	30.00	5.20	5.50	4.00	4.30	32.80	33.20	3000±10mm	250-250
OD:42mm (1¼") ND:32mm										
V4	Coupler	12.50	3.70	4.00	2.50	2.80	41.80	42.20	3000±10mm	200-200
Medium	Coupler	15.00	4.20	4.60	2.70	3.10	41.80	42.20	3000±10mm	200-200
Standard	Coupler	25.00	5.40	5.70	4.10	4.40	41.80	42.20	3000±10mm	250-250
Heavy	Coupler	35.00	6.40	6.80	5.20	5.60	41.80	42.20	3000±10mm	250-250
OD:48mm (1½") ND:40mm										
V4	Coupler	12.50	4.10	4.40	2.90	3.20	47.80	48.20	3000±10mm	200-200
Medium	Coupler	15.00	5.00	5.30	3.10	3.40	47.80	48.20	3000±10mm	200-200
Standard	Coupler	25.00	5.50	5.80	4.10	4.40	47.80	48.20	3000±10mm	250-250
Heavy	Coupler	35.00	7.00	7.40	5.40	6.20	47.80	48.20	3000±10mm	250-250
OD:60mm (2") ND:50mm										
V4	Coupler	13.00	4.50	4.80	2.50	2.70	59.80	60.20	3000±10mm	200-200
Medium	Coupler	17.00	5.10	5.40	2.60	3.00	59.80	60.20	3000±10mm	250-250
Standard	Coupler	20.00	6.20	6.50	4.00	4.30	59.80	60.20	3000±10mm	250-250
Heavy	Coupler	35.00	7.90	8.30	5.50	5.90	59.80	60.20	3000±10mm	250-250
OD:75mm (2½") ND:65mm										
Medium	Coupler	12.00	5.20	5.50	2.60	2.90	78.80	75.20	3000±10mm	200-200
Standard	Coupler	16.00	6.50	6.80	4.10	4.40	78.80	75.20	3000±10mm	250-250
Heavy	Coupler	26.00	9.00	9.50	6.20	6.70	78.80	75.20	3000±10mm	250-250
S. Heavy	Coupler	35.00	10.80	11.00	8.20	8.50	78.80	75.20	3000±10mm	250-250
OD:88mm (3") ND:80mm										
Medium	Coupler	10.00	5.90	6.40	3.30	3.50	87.80	88.20	3000±10mm	250-250
Standard	Coupler	17.00	7.10	7.50	4.90	5.30	87.80	88.20	3000±10mm	250-250
Heavy	Coupler	26.00	10.00	10.50	7.20	7.70	87.80	88.20	3000±10mm	250-250
S. Heavy	Coupler	35.00	12.40	13.40	9.70	10.70	87.80	88.20	3000±10mm	250-250
OD:113mm (4") ND:100mm										
Medium	Coupler	10.00	6.40	6.70	4.40	4.70	112.70	113.20	3000±10mm	250-250
Standard	Coupler	15.00	8.20	8.60	5.70	6.00	112.70	113.20	3000±10mm	250-250
Heavy	Coupler	26.00	10.00	10.60	7.80	8.10	112.70	113.20	3000±10mm	250-250
S. Heavy	Coupler	35.00	12.00	12.50	9.40	9.80	112.70	113.20	3000±10mm	250-250

PIPE SELECTION

V4	1", 1¼", 1½"	UPTO	100 mm Sub Pump
Medium	1", 1¼", 1½"	UPTO	100 mm Sub Pump
	2", 2½", 3"	UPTO	150 mm Sub Pump
	3" & 4"	UPTO	200 mm Sub Pump
Standard	1", 1¼", 1½"	UPTO	100 mm Sub Pump
	2", 2½", 3"	UPTO	150 mm Sub Pump
	3" & 4"	UPTO	200 mm Sub Pump
Heavy	1¼", 1½"	UPTO	100 mm Sub Pump
	2", 2¼", 2½"	UPTO	150 mm Sub Pump
	3" & 4"	UPTO	200 mm Sub Pump
Super Heavy	1½"	UPTO	100 mm Sub Pump
	2", 2¼", 2½"	UPTO	150 mm Sub Pump
	3" & 4"	UPTO	200 mm Sub Pump



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PIPER & FITTINGS
SINCE 1996

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