



**MIRAJ**

**COLUMN PIPE**

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**MIRAJ PIPES & FITTINGS  
PVT. LTD.**

OPP GANGOTRI, BADI-THUR  
ROAD, FENIYON KA GUDA,  
UDAIPUR(RAJASTHAN)

## ABOUT US

Founded in 2004, Miraj Pipes & Fittings Pvt. Ltd. has emerged as a prominent supplier of high-quality Industrial Pipes, Industrial Pipe Fittings, and HDPE Sprinklers. Under the effective guidance of Chief Operating Officer Mr. Kailash Chandra Agarwal, the company has attained notable success, establishing itself as a reliable provider of superior products. Committed to delivering excellence, Miraj Pipes & Fittings Pvt. Ltd. continues to excel in the industry by providing dependable solutions to cater to a wide range of industrial requirements.

Our state-of-the-art 6 lakh sq. ft. infrastructure, equipped with cutting-edge machinery, excels in handling orders of all sizes. The in-house research and development facility ensures that our products consistently meet ISI standards.

With 28 dedicated machines, our production capacity reaches an impressive 55,640 metric tons. Our commitment to quality is highlighted by our ISO 9001 certification, covering a diverse product range that includes RIGID PVC pipes, SWR pipes, Elastomeric pipes, CPVC & UPVC plumbing solutions, HDPE pipes, Sprinkler pipes, and more.

### PRODUCTION CAPACITY

- UPVC Pipes / CPVC Pipes / SWR Pipes / Plumbing Pipes – 49866 MT
- HDPE Pipe / Sprinkler – 3942 MT
- PVC Fitting – 1832 MT

## MIRAJ COLUMN PIPE

Miraj uPVC Column pipes are manufactured within the world class Quality Management System as per ISO 9001:2008. Miraj UPVC Column Pipes are used for submersible boring applications.

### Product Range :

- Range : 1" to 4"
- Type : 10 kg/cm<sup>2</sup> , 12.5 kg/cm<sup>2</sup>, 15 kg/cm<sup>2</sup>, Medium, Standard & Heavy
- Bell & coupler type

### Advantages :

- High tensile strength and high pressure rating.
- Excellent pull out strength.
- Pipe & Coupler having square thread for excellent mechanical properties and easy in assembly and disassembly.
- One side pipe & coupler having special thread locking for preventing thread slippage during assembly and disassembly with load of submersible pump and pipes.
- High tensile strength of pipe coupler locking so lock safety is 100%.
- Low friction losses due to excellent smooth internal surface.
- Resistant to chemical reaction, bacterial growth, corrosion, rusting etc.

### Product Specification

Sr.No	Properties	1" (ND 25mm)					1¼" (ND 32mm)					1½" (ND 40mm)		
		V4 12.5 Kg	V4 15.0 Kg	MEDIUM	STANDARD	HEAVY	V4 12.5 Kg	V4 15.0 Kg	MEDIUM	STANDARD	HEAVY	MEDIUM	STANDARD	HEAVY
1	OD	32.7 ~ 33.2	32.7 ~ 33.2	32.7 ~ 33.2	32.7 ~ 33.2	32.7 ~ 33.2	41.7 ~ 42.2	41.7 ~ 42.2	41.7 ~ 42.2	41.7 ~ 42.2	41.7 ~ 42.2	47.7 ~ 48.2	47.7 ~ 48.2	47.7 ~ 48.2
2	Effective Length	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10
3	T.S. at Break	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa
4	Elongation at Break	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%
5	Density in gm/cc	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46
6	CH <sub>2</sub> CL <sub>2</sub> Test	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack
7	Safe Total Pump Delivery Head	125 mtr	150 mtr	160 mtr	300 mtr	350 mtr	125 mtr	150 mtr	150 mtr	250 mtr	350 mtr	150 mtr	260 mtr	350 mtr
8	Ultimate Breaking Load	800 Kgs	1000 Kgs	1400 Kgs	1800 Kgs	2200 Kgs	1000 Kgs	1500 Kgs	2100 Kgs	2600 Kgs	3100 Kgs	2500 Kgs	3000 Kgs	4000 Kgs
9	Safe Pulling Load With Chain Pully	440 Kgs	700 Kgs	770 Kgs	1300 Kgs	1500 Kgs	740 Kgs	1000 Kgs	1200 Kgs	1500 Kgs	1550 Kgs	1300 Kgs	1700 Kgs	2000 Kgs
10	Safe Allowable Hydrostatic Pressure	12.5 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>	16 Kg/cm <sup>2</sup>	30 Kg/cm <sup>2</sup>	35 Kg/cm <sup>2</sup>	12.5 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>	25 Kg/cm <sup>2</sup>	35 Kg/cm <sup>2</sup>	13 Kg/cm <sup>2</sup>	27 Kg/cm <sup>2</sup>	35 Kg/cm <sup>2</sup>

Sr .No	Properties	2" (ND 50mm)			2½" (ND 65mm)			3" (ND 80mm)			4" (ND 100mm)		
		MEDIUM	STANDARD	HEAVY	MEDIUM	STANDARD	HEAVY	MEDIUM	STANDARD	HEAVY	MEDIUM	STANDARD	HEAVY
1	OD	59.7 ~ 60.2	59.7 ~ 60.2	59.5 ~ 60.2	74.7 ~ 75.2	74.7 ~ 75.2	74.7 ~ 75.2	87.7 ~ 88.2	87.7 ~ 88.2	87.7 ~ 88.2	112.7 ~ 113.2	112.7 ~ 113.2	112.7 ~ 113.2
2	Effective Length	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10	3000 ± 10
3	T.S. at Break	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa	> 45 MPa
4	Elongation at Break	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%	Min. 50%
5	Density in gm/cc	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46	1.40 ~ 1.46
6	CH <sub>2</sub> CL <sub>2</sub> Test	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack	Shall be No Attack
7	Safe Total Pump Delivery Head	130 mtr	200 mtr	270 mtr	100 mtr	160 mtr	260 mtr	110 mtr	170 mtr	260 mtr	100 mtr	150 mtr	260 mtr
8	Ultimate Breaking Load	2800 Kgs	3800 Kgs	4700 Kgs	3500 Kgs	5000 Kgs	7000 Kgs	5000 Kgs	7000 Kgs	9500 Kgs	7500 Kgs	10300 Kgs	16000 Kgs
9	Safe Pulling Load With Chain	1500 Kgs	2100 Kgs	2850 Kgs	1900 Kgs	2700 Kgs	4200 Kgs	2750 Kgs	4000 Kgs	5700 Kgs	4100 Kgs	5700 Kgs	9500 Kgs

	Pully												
10	Safe Allowable Hydrostatic Pressure	13 Kg/cm <sup>2</sup>	20Kg/cm <sup>2</sup>	27 Kg/cm <sup>2</sup>	10 Kg/cm <sup>2</sup>	16 Kg/cm <sup>2</sup>	26 Kg/cm <sup>2</sup>	11 Kg/cm <sup>2</sup>	17 Kg/cm <sup>2</sup>	26 Kg/cm <sup>2</sup>	10 Kg/cm <sup>2</sup>	15 Kg/cm <sup>2</sup>	26 Kg/cm <sup>2</sup>

**Testing :**

Test	Specification
Tensile strength at break	> 458.9 kg/cm <sup>2</sup>
Dichloromethane	should be no attack