

Spreading Joy
Enhancing Lives



**uPVC
COLUMN PIPES for
SUBMERSIBLE PUMP**



DUTRON – well established brand in the field of Plastic Pipes & Fittings since last 4 decades, which always understands the need of application and accordingly continues its endeavor to deliver superior products to customers through their Research and Development and are always committed to its excellence.

DUTRON – UPVC Column Pipes are manufactured from state-of-the art machines and are tested at their well-equipped Quality Assurance Laboratory.

DUTRON – UPVC Column Pipes are specially designed for use with submersible pump and can be safely used vertical, horizontal or inclined.

DUTRON – UPVC Column Pipes are available in 3 ranges namely – medium, standard and heavy; to suit various installation depths.

DUTRON – UPVC Column Pipes are light in weight, thus handling and installation becomes easy.

DUTRON – UPVC Column Pipes ensure high flow rates and no depositions due to smooth inner surface which leads to no corrosion and same ID, as experienced with G.I. Pipes.

Perfectly designed CI, MS & SS adaptors, which are totally non-corrosive as they are specially protected.

○ Salient Features

- Superior quality & specially developed rubber sealing rings ensures leak proof and vibration free joints (with total locking system)
- Specially designed square threads give excellent grip to withstand high tensile load
- 30% more water flow compared to G.I. Pipes due to smooth inner surface



- **Non-corrosive, means more service life**
- **No scaling or deposition inside, thus no reduction in inner diameter, means same flow rate throughout service life**
- **Low friction loss thus saving energy**
- **Excellent tensile and impact strength**
- **Accurate square threads ensure proper grip for joining pipes and optimum pulling strength**



○ Dimensional Specification

Range & Size		Wall Thickness in mm					
		Normal			Thickening End		
I.D.	O.D.	Medium (Blue)	Standard (Red)	Heavy (Green)	Medium (Blue)	Standard (Red)	Heavy (Green)
25mm (1")	33.3 - 33.5	3.5 - 3.7	4.0 - 4.2	4.9 - 5.2	4.1 - 4.3	4.9 - 5.2	5.8 - 6.1
32mm (1.1/4")	42.0 - 42.2	3.7 - 3.9	4.0 - 4.2	5.0 - 5.3	4.5 - 4.7	5.0 - 5.3	6.4 - 6.8
40mm (1.1/2")	48.1 - 48.3	3.8 - 4.0	4.1 - 4.3	5.5 - 5.8	4.9 - 5.1	5.2 - 5.5	6.7 - 7.1
50mm (2")	60.2 - 60.4	3.8 - 4.2	4.2 - 4.4	5.8 - 6.1	5.1 - 5.4	6.2 - 6.4	7.8 - 8.2
65mm (2.1/2")	75.8 - 76.2	4.3 - 4.7	4.4 - 4.8	6.4 - 6.7	5.6 - 6.0	6.2 - 6.4	9.0 - 9.3
75mm (3")	88.7 - 88.9	4.5 - 4.9	5.0 - 5.6	7.4 - 7.7	6.1 - 6.5	7.0 - 7.5	9.8 - 10.2
100mm (4")	114.0 - 114.3	5.0 - 5.4	6.0 - 6.3	8.8 - 9.2	7.0 - 7.4	8.1 - 8.4	11.8 - 12.2

○ Dimensional Specification

Technical Chart of DUTRON uPVC Column pipes showing safe pulling load, maximum allowable hydrostatic pressure & pump Delivery Head to be used according to application.

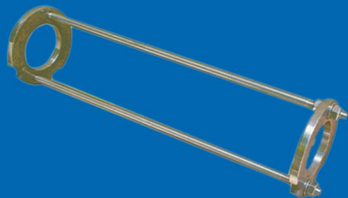
Size in mm		Safe Pulling Load with Chain Pulley			Maximum Hydrostatic Pressure (Kg/cm ²)			Safe Pump Delivery Head (M)		
I.D.	O.D.	Medium	Standard	Heavy	Medium	Standard	Heavy	Medium	Standard	Heavy
25	33	670	950	1250	15	20	30	150	200	300
32	42	1100	1400	1500	20	25	33	200	250	330
40	48	1100	1400	1650	15	21	26	150	210	260
50	60	1500	2000	2800	13	20	27	130	180	250
65	75	1800	2600	4200	10	16	26	100	160	260
75	88	2700	4000	5600	11	16	26	110	160	260
100	113	4000	5600	9500	10	15	26	100	150	260



○ Installation Procedure

- Primarily ensure that rubber gaskets provided with pipes are fitted in groove of external square threads of pipes
- Assemble the adapter with pump
- Tighten one pipe to another with the help of jerk/torque so that more than 50% of rubber seal gets into the internal thread of socket of adjacent pipe. It is recommended to use strap wrench for assembly to avoid damage to the pipe
- Ensure that the metal clamp is fitted on the pipe at a location marked "Clamp here only"
- While joining one pipe to another, keep on lowering in bore-well with the help of chain pulley
- After lowering for required depth, fix the metal adapter on top of the last pipe
- Connect fittings & clamping system as per your requirement
- Based on soil conditions, it is recommended to use pump guard for pump safety

○ Accessories



Pump Guard Set



Top Adaptor



Bottom Adaptor



DUTRON POLYMERS LIMITED

"Dutron House", Nr. Mithakhali Underbridge
Navrangpura, Ahmedabad 380 009 Gujarat, India.

Tel : +91 79 2656 1849, 2642 7522

Fax : +91 79 2642 0894

Email : sales@dutronindia.com

Website : www.dutronindia.com

Authorised Dealer