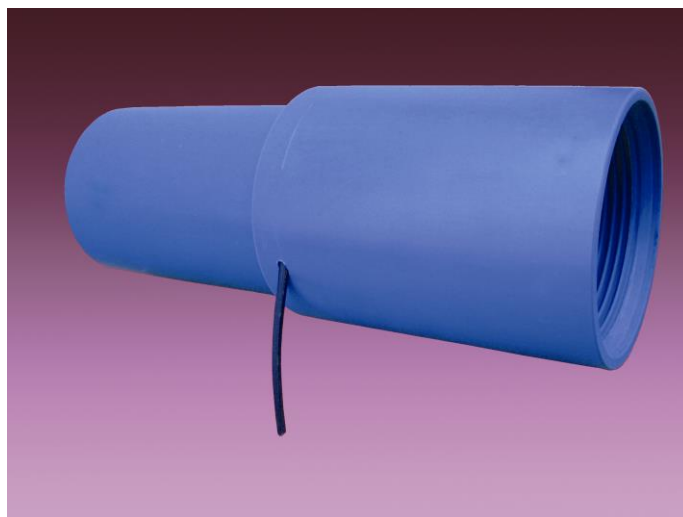


EASY PUMP SYSTEM

PVC RISER PIPES AND SUBMERSIBLE PUMP ASSEMBLY SYSTEM



"Easy Pump System" results from the perfect combination of experience and technical application; it is a system that makes handy, efficient and fast the connection between PVC riser pipes and submersible pump. The EASY PUMP SYSTEM makes use of a PVC pipe supplied with a previously installed PVC sleeve at one edge and an inox threaded joint - especially for the submersible pump - at the other edge. If the riser pipe connection is larger or smaller than the pump thread, the inox joint can be adjusted at both sides as it can be supplied with one thread that fits that of the riser pipe and the other that fits the pump thread. Up to the ground surface the rest of the riser pipes are threaded with one PVC sleeve previously installed at one edge. The real innovation of these products, however, is the **"SYSTEMBLOCK"**: the sleeves and joints with SYSTEMBLOCK are equipped with an insert that prevent them from losing or unscrewing further to vibrations, torsions, and pump frequent switching on and off. The systemblock is supplied from riser pipes diam. 75 up to those diam. 225 mm, whereas the pipes diam. 48 and 60 mm have sleeves and joints without systemblock because the power of the pumps that can be connected to such small pipes does not require this kind of system.



Pic. 1 "Systemblock"



In this case the rub gasket (o' ring) that is inside the sleeves and joints tightens when screwing the pipes and offers enough resistance to bear small pumps pull (such as the pumps that can be connected to pipes diam. 48 and 60 mm). All the PVC sleeves are supplied in total with two rub gaskets that assure them the wet seal. PVC riser pipes are a good alternative to galvanized, inox and polyethylene riser pipes. They are made of high quality rigid PVC which have physical and chemical features that assure the maximum collapse resistance and tensile strength to the pipes. The strict crush tests carried out on the PVC bars produced no damage or buckling on them. Inside the pipes walls are completely smooth and they do not reduce. The features of the row material make these products light, easy to handle and resistant to corrosion and stray currents. The pipes have a very good hydraulic index ($K = 0,01$) that results in minimum fluid loss and lower pumping costs.

PIPE OUTSIDE DIAMETER		WALL THICKNESS mm	INSIDE DIAMETER mm	STANDARD LENGTH mt	SLEEVE OUTSIDE DIAMETER mm	THREAD TYPE	MAXIMUM TOLERABLE PRESSURE	MAXIMUM INSTALLATION DEPTH
mm	inches							
48	1" 1/2	4,5	39,0	4	60	P4	30 BAR	300 MT
60	2"	5,8	48,4	4	75	P4	30 BAR	300 MT
75	2" 1/2	6,8	61,4	4	90	P4	30 BAR	300 MT
90	3"	8,2	73,6	4	105	P4	30 BAR	300 MT
114	4"	8,2	97,6	4	130	P6	30 BAR	300 MT
140	5"	10,3	119,4	4	170	P6	30 BAR	300 MT
170	6"	12,0	146,0	4	200	P6	30 BAR	300 MT
225	8"	16,7	191,6	4	265	P6	30 BAR	300 MT

Simulation of a 300 mt depth well.

PIPES OUTSIDE DIAMETER	PIPES WEIGHTH KG	WATER COLUMN WEIGHTH KG	PUMP APPROXIMATE WEIGHTH KG	TOTAL WEIGHTH KG	BREAKING LOAD KG
48	275	360	125	760	2.000
60	440	555	150	1.145	2.700
75	650	888	200	1.738	4.000
90	940	1.280	250	2.470	7.000
114	1.200	2.250	300	3.750	8.600
140	1.870	3.360	500	5.730	17.000
170	2.650	5.025	620	8.295	19.300
225	4.850	8.650	850	14.350	25.000