



PRORITES EQUIPMENTS PVT. LTD.

GAT NO. 83, JYOTIBA NAGAR, TALAWADE, PUNE-411062

TECHNICAL DATASHEET - DOSING SYSTEM

NO-PEPL/DS/135-HP A-1

Customer	M/s MERU INDUSTRIES LLP	
Project	NS	Unit No :
Consultant:	NS	
Part No.		Ref: Mail on
COMPONENT	HP DOSING SYSTEM	MAKE
DESCRIPTION	HP Dosing system mounted on a common base frame with tank, pumps, interconnecting piping, valves, instruments, mating flanges, hardware, gaskets and foundation bolts.	PRORITES
DOSING TANK	500 LTR (NET) SS Ø 800 x 1000 Ht FLAT BOTTOM, HINGED COVER. DISSOLVING BASKET. THICKNESS - SHELL 3 mm, Bottom Plate Thk 5mm, TOP COVER 5mm Legs ISA.40 2062 Gr B	PRORITES
DOSING PUMP	Positive displacement, Plunger type with manual stroke adjustment. 10 LPH / 85 Kg/CM2 , MOC wetted parts SS316. Qty = 2 Nos . (1 W+1S)	MILTON ROY
MOTORS FOR PUMP	0.75 kw / 4 pole / Foot Mtg / 415 V / 50 Hz / 3 ph / IE-2 TEFC= 2 Nos	PRORITES
EXTERNAL PRV	MOC : SS316, 1/2" BSP, Set Pr. 102 Kg/CM2 = 1 No	PRORITES
AGITATOR	MOTORISED WITH REDUCTION GEAR BOX. MOC:WETTED PARTS SS 304	PRORITES
AGITATOR MOTOR	0.37 kw / 4 pole / 415 V / 50 Hz / 3 ph TEFC / IE-2 = 1 Nos	PRORITES
LEVEL GAUGE	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 900, WETTED PARTS SS304	PRORITES
PR GAUGE	BOURDON TYPE WITH 1/2" SS 304, RANGE 0-160 KG/CM2 DIAL 150 = 1 Nos	PRORITES
PULSATION DAMPENER	VOLUME BOTTLE TYPE. SS 304 = 1 Nos	PRORITES
SUCTION STRAINER	Y TYPE STRAINER, 1/2" NB SW, SS 304 = 1 Nos	PRORITES
SUCTION VALVES	BALL VALVES 15 NB CL 800, 3P, BODY SS304 Qty as per P&I	PRORITES
DISCHARGE VALVES	GATE VALVES 15 NB CL 800, BODY SS304 Qty as per P&I	PRORITES
NON RETURN VALVE	LIFT CHECK VALVES. 15 NB CL 800, BODY SS304 = 2 Nos	PRORITES
SUCTION SIDE PIPING	15 NB SCH 40. SA312 TP 304 SEAMLESS	
DISCHARGE SIDE PIPING	15 NB SCH 80. SA312 TP 304 SEAMLESS	
FITTINGS	15 NB CL 3000 SW FITTINGS. SA182 F304	
FLANGES - SUCTION SIDE	15 NB SWRF B16.5 CL 150. SA182 F 304	
FLANGES - DISCHARGE SIDE	15 NB SWRF B16.5 CL 900. SA182F304	
HARDWARE	CS PLATED	
GASKETS	CNAF GASKETS	
FOUNDATION BOLTS	M12 X 200 L - CS	
BASE FRAME	COMMON BASE FRAME FABRICATED FROM ISMC 100 X 50	
HOPPER FOR CHEMICAL CHARGE	NA	
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS	

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Pratiksha Jagtap
Engineering



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TECHNICAL DATASHEET - DOSING SYSTEM

NO-PEPL/DS/135-LP A-2

Customer	M/s MERU INDUSTRIES LLP	
Project	NS	Unit No :
Consultant:	NS	
Part No.		Ref: Mail on
COMPONENT	LP DOSING SYSTEM	MAKE
DESCRIPTION	LP Dosing system mounted on a common base frame with tank, pumps, interconnecting piping, valves, instruments, mating flanges, hardware, gaskets and foundation bolts.	PRORITES
DOSING TANK	500 LTR (NET) SS Ø 800 x 1000 Ht FLAT BOTTOM, HINGED COVER. DISSOLVING BASKET. THICKNESS - SHELL 3 mm, Bottom Plate Thk 5mm, TOP COVER 5mm Legs ISA.40 2062 Gr B	PRORITES
DOSING PUMP	Positive displacement, Plunger type with manual stroke adjustment. 10 LPH / 10 Kg/CM2 , MOC wetted parts SS316. Qty = 2 Nos . (1 W+1S)	MILTON ROY
MOTORS FOR PUMP	0.37kw / 4 pole / Foot Mtg / 415 V / 50 Hz / 3 ph / IE-2 TEFC= 2 Nos	PRORITES
EXTERNAL PRV	MOC : SS316, 1/2" BSP, Set Pr. 14 Kg/CM2 = 1 NO	PRORITES
AGITATOR	MOTORISED WITH REDUCTION GEAR BOX. MOC:WETTED PARTS SS 304	PRORITES
AGITATOR MOTOR	0.37 kw / 4 pole / 415 V / 50 Hz / 3 ph TEFC / IE-2 = 1 Nos	PRORITES
LEVEL GAUGE	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 900 , WETTED PARTS SS304	PRORITES
PR GAUGE	BOURDON TYPE WITH 1/2" SS 304 RANGE 0-21 KG/CM2 DIAL 150 = 1 Nos	PRORITES
PULSATION DAMPENER	VOLUME BOTTLE TYPE. SS 304 = 1 Nos	PRORITES
SUCTION STRAINER	Y TYPE STRAINER, 1/2" NB SW, SS 304 = 1 Nos	PRORITES
SUCTION VALVES	BALL VALVES 15 NB CL 800, 3P, BODY SS304 Qty as per P&I	PRORITES
DISCHARGE VALVES	BALL VALVES 15 NB CL 800, 3P, BODY : SS304 Qty as per P&I	PRORITES
NON RETURN VALVE	LIFT CHECK VALVES. 15 NB CL 800, BODY SS304 = 2 Nos	PRORITES
SUCTION SIDE PIPING	15 NB SCH 40. SA312 TP 304 SEAMLESS	
DISCHARGE SIDE PIPING	15 NB SCH 40. SA312 TP 304 SEAMLESS	
FITTINGS	15 NB CL 3000 SW FITTINGS. SA182 F304	
FLANGES - SUCTION SIDE	15 NB SWRF B16.5 CL 150. SA182 F304	
FLANGES - DISCHARGE SIDE	15 NB SWRF B16.5 CL 150. SA182 F304	
HARDWARE	CS PLATED	
GASKETS	CNAF GASKETS	
FOUNDATION BOLTS	M12 X 200 L - CS	
BASE FRAME	COMMON BASE FRAME FABRICATED FROM ISMC 100 X 50	
HOPPER FOR CHEMICAL CHARGE	NA	
BREATHING BOX	NA	
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS	

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