



PRORITES EQUIPMENTS PVT. LTD.

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

TECHNICAL DATASHEET - DOSING SYSTEM			NO-PEPL/DS/E-143/21-22
CUSTOMER	INDUSTRIES BOILER LIMITED		DATE : 27.12.2021
COMPONENT	HP DOSING SYSTEM	LP DOSING SYSTEM	MAKE
DESCRIPTION	HP Dosing system mounted on a common base frame with tank, pumps, interconnecting piping, valves, mating flanges, hardware, gaskets and foundation bolts.	LP Dosing system mounted on a common base frame with tank, pumps, interconnecting piping, valves, mating flanges, hardware, gaskets and foundation bolts.	PRORITES
DOSING TANK	300 LTR SS 304 TANK Ø700 X950 Ht FLAT BOTTOM, HINGED COVER. DISSOLVING BASKET. THICKNESS - SHELL 3 mm, TOP COVER 8mm Legs CS.	300 LTR SS 304 TANK Ø 700 X950 Ht FLAT BOTTOM, HINGED COVER. DISSOLVING BASKET. THICKNESS - SHELL 3 mm, TOP COVER 8mm Legs CS.	PRORITES
DOSING PUMP	Positive displacement, Plunger type with manual stroke adjustment. 20 LPH / 90 Kg/cm2(g) , MOC of plunger :&, Liquid End : SS316. Qty = 2 Nos.	Positive displacement, Plunger type with manual stroke adjustment. 15 LPH / 10 Kg/cm2(g) , MOC of plunger : & Liquid End : SS316. Qty = 2 Nos.	PRORITES
MOTORS FOR PUMP	0.37 kw/ 415 V/ 50 Hz / 1440 rpm /3 Phase /IE2 = 02 NOS	0.37 kw/ 415 V/ 50 Hz / 1440 rpm /3 Phase /IE2 = 02 NOS	SIEMENS / CGL
EXTERNAL PRV	1/2" NPT inner & outer threads. Set pressure 108 kg/cm2 MOC : SS316=1no	1/2" NPT inner & outer threads. Set pressure 14 kg/cm2 MOC : SS316=1 no	PRORITES
AGITATOR	Top mounted directly coupled propeller type 1440 RPM. MOC of wetted parts SS 304	Top mounted directly coupled propeller type 1440 RPM. MOC of wetted parts SS 304	PRORITES
AGITATOR MOTOR	0.37 kw / 6 pole /415 V / 50 Hz / 3 ph/ IE2 TEFC = 1 Nos	0.37 kw / 6 pole /415 V / 50 Hz / 3 ph/ IE2 TEFC = 1 Nos	CGL
LEVEL GAUGE	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 800, WETTED PARTS SS304. MOUNTING 1/2" #150	TUBULAR LEVEL GAUGE WITH TIE ROD PROTECTION. CTC 800, WETTED PARTS SS304. MOUNTING 1/2" #150	PRORITES
PR GAUGE	CHEMICAL SEALED BOURDON TYPE WITH 1/2" ISOLATION VALVE AND SNUBBER. SS 316, RANGE 0-160 KG/CM2 DIAL 100= 1 Nos.	CHEMICAL SEALED BOURDON TYPE WITH 1/2" ISOLATION VALVE AND SNUBBER. SS 316, RANGE 0-21 KG/CM2 DIAL 100= 1 Nos.	PRORITES
PULSATION DAMPENER	VOLUME BOTTLE TYPE. SS 304 = 1 Nos	VOLUME BOTTLE TYPE. SS 304 = 1 Nos	PRORITES
SUCTION STRAINER	Y TYPE STRAINER, 15 NB SW, SS 304 = 1 Nos	Y TYPE STRAINER, 15 NB SW, SS 304 = 1 Nos	PRORITES
SUCTION SIDE VALVES	BALL VALVES 15 NB CL 600, 3P, CF8 / CF8M Qty = 08 NOS	BALL VALVES 15 NB CL 600, 3P, CF8 / CF8M Qty = 8 NOS	PRORITES
DISCHARGE SIDE VALVES	GATE VALVES 15 NB CL600, CF8 / CF8M Qty =02 NOS	BALL VALVES 15 NB CL 600, 3P, CF8 / CF8M Qty = 3 NOS	PRORITES
DISCHARGE SIDE VALVES	GLOBE VALVES 15 NB CL 600, CF8 / CF8M Qty = 02 NOS	Not Required	PRORITES
NON RETURN VALVE	LIFT CHECK VALVES. 15 NB CL 600, CF8/CF8M = 02 Nos	LIFT CHECK VALVES. 15 NB CL 600, CF8/CF8M = 02 Nos	PRORITES
SUCTION SIDE PIPING	15 NB SCH 40. SA312 TP 304 SEAMLESS	15 NB SCH 40. SA312 TP 304 SEAMLESS	
DISCHARGE SIDE PIPING	15 NB SCH 80. SA312 TP 304 SEAMLESS	15 NB SCH 40. SA312 TP 304 SEAMLESS	
FITTINGS	15 NB CL 3000 SW FITTINGS. SA182 F 304	15 NB CL 3000 SW FITTINGS. SA182 F 304	
FLANGES - SUCTION SIDE	15 NB SWRF B16.5 CL 150. SA182 F 304	15 NB SWRF B16.5 CL 150. SA182 F 304	
FLANGES - DISCHARGE SIDE	15 NB SWRF B16.5 CL 900. SA182 F 304	15 NB SWRF B16.5 CL 150. SA182 F 304	
HARDWARE	SS 304 STUD/ NUT / WASHERS	SS 304 STUD/ NUT / WASHERS	
GASKETS	CNAF GASKETS FOR SUCTION SIDE AND FOR DISCHARGE SIDE SPIRAL WOUND GASKETS	CNAF GASKETS	
FOUNDATION BOLTS	M12 X 200 L - CS	M12 X 200 L - CS	
BASE FRAME	COMMON BASE FRAME FABRICATED FROM ISMC 100 X 50	COMMON BASE FRAME FABRICATED FROM ISMC 100 X 50	
BREATHING BOX	NA	YES	
HOPPER	NA	YES	
OBSERVATION HOLE	YES	YES	
WEATHER HOODS	FOR DRIVE MOTORS & AGITATOR MOTORS	FOR DRIVE MOTORS & AGITATOR MOTORS	