



PRORITES EQUIPMENTS PVT. LTD.

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

TECHNICAL DATASHEET - DOSING SYSTEM

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

Customer	M/s MERU INDUSTRIES LLP	
Project		Unit No :
Consultant:		
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 900 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, Diaphragm type with manual stroke adjustment. 10 LPH / 10 Kg/CM2, MOC wetted parts SS316. Qty = 2 Nos. (1 W+1S) Note-1	MILTON ROY
MOTORS FOR PUMP	0.37kw / 4 pole / Foot Mtg / 415 V / 50 Hz / 3 ph / IE-2 TEFC= 2 Nos Note -1	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 DAMPENERS	VOLUME BOTTLE TYPE. SS 304 = 1 Nos	PRORITES
SUCTION STRAINER	Y TYPE STRAINER, 1/2" NB SW, SS 304 = 2 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	

Note : Pump capacity will be nearest higher than the requirement and motor rating shall be as recommended by pump vendor

For PRORITES EQUIPMENTS PVT LTD.

Pratiksha Jagtap
Engineering



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TECHNICAL DATASHEET - DOSING SYSTEM

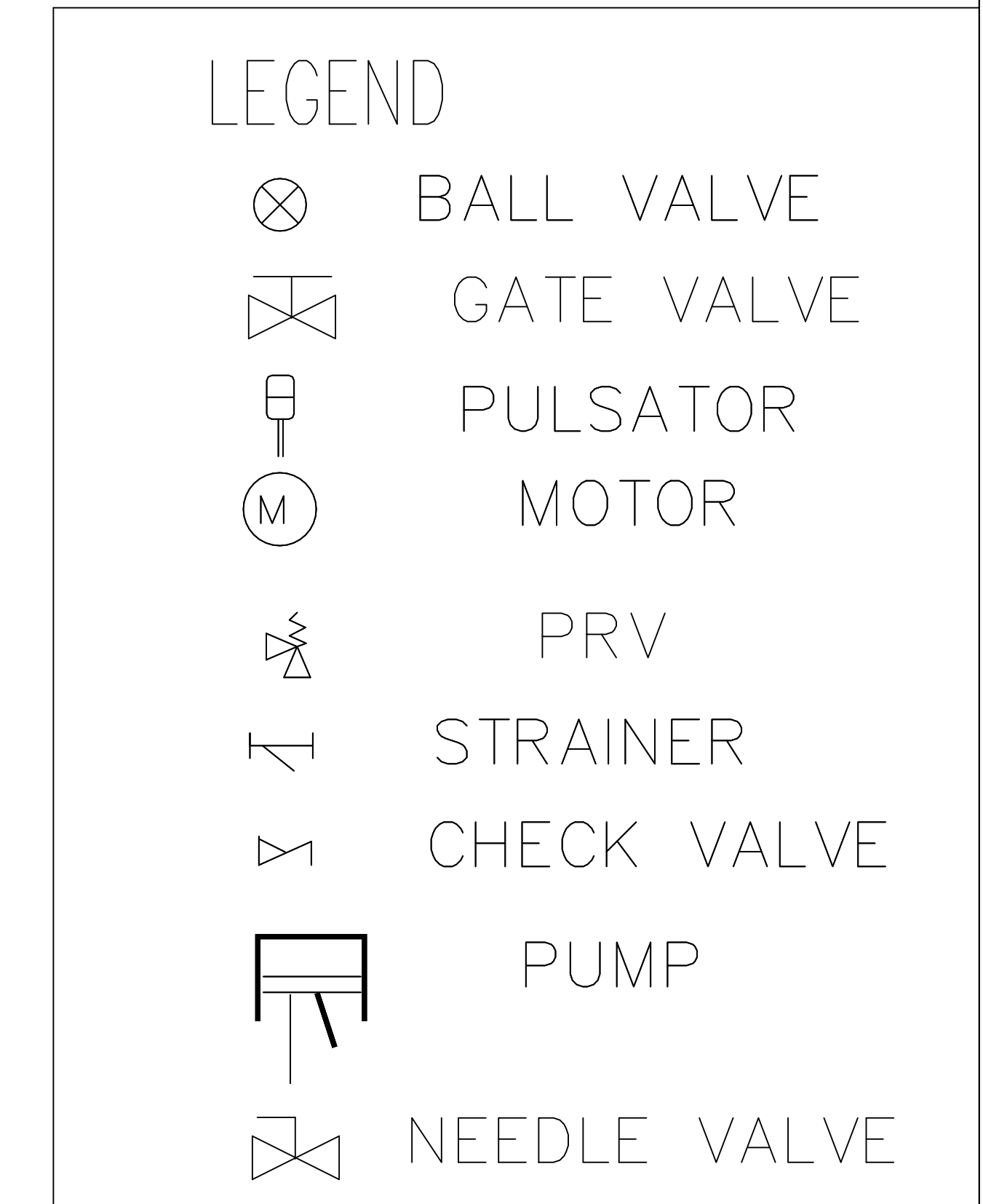
NO-PEPL/DS/135-HP A-1

Customer M/s MERU INDUSTRIES LLP		
Project _____		Unit No :
Consultant:		
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 900 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) Note -1	MILTON ROY
MOTORS FOR PUMP	0.75 kw / 4 pole / Foot Mtg / 415 V / 50 Hz / 3 ph / IE-2 TEFC= 2 Nos Note -1	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 = 2 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	

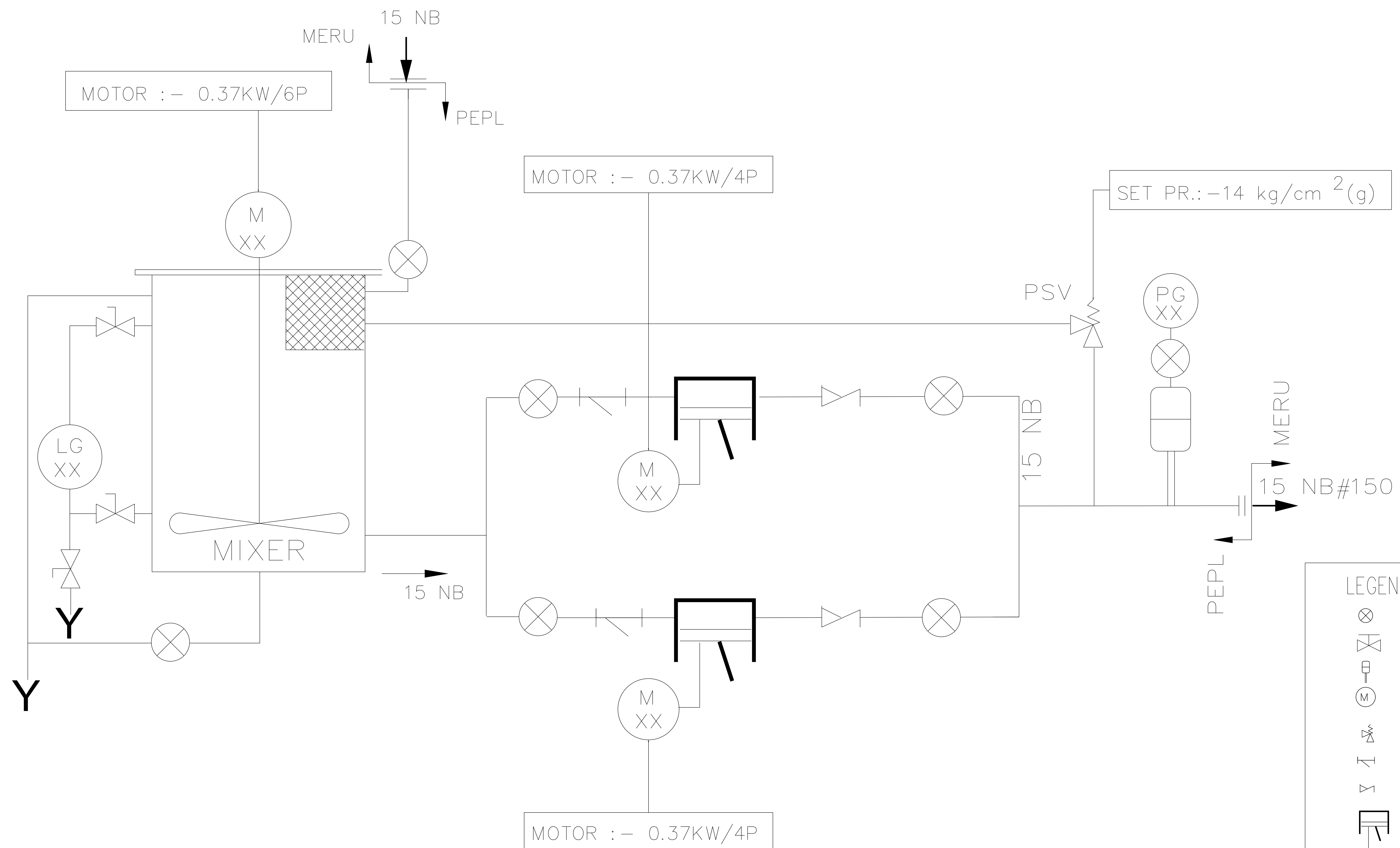
Note : Pump capacity will be nearest higher than the requirement and motor rating shall be as recommended by pump vendor

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Engineering



TAG NO :				PROJECTION-		SCALE-		CUSTOMER: MERU INDUSTRIES LLP			
Part No: N.S.						NTS		PRORITES EQUIPMENTS PVT LTD. JYOTIBA NAGAR, TALAWADE			
				SIGN	DATE	DRG. NAME-					
				APRD. SKK	09.12.2021	P&I DIAGRAM-HP DOSING SYSTEM					
				CKD. PGJ	09.12.2021						
				DRWN. NDV	09.12.2021						
				FILE NAME		DRG. NO.-					ALT.
				PID		PID/PEPL/DS/E-135-HP					01
01	AS COMMENTS	06.01	PGJ								
NO	ALT DETAILS	DATE	SIGN			REF :					



LEGEND	
	BALL VALVE
	GATE VALVE
	PULSATOR
	MOTOR
	PRV
	STRAINER
	CHECK VALVE
	PUMP
	NEEDLE VALVE

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Part No: N.S.						NTS		PRORITES EQUIPMENTS PVT LTD. JYOTIBA NAGAR, TALAWADE			
					SIGN	DATE		DRG. NAME-			
				APRD.	SKK	09.12.2021		P&I DIAGRAM-LP DOSING SYSTEM			
				CKD.	PGJ	09.12.2021					
				DRWN.	NDV	09.12.2021					
				FILE NAME				DRG. NO.-		ALT.	
				PID				PID/PEPL/DS/135-LP		01	
01	AS COMMENTS	06.01	PGJ					REF :			
NO	ALT DETAILS	DATE	SIGN								