

PUMP SPECIFICATION

Equipment ID	ARP001
Equipment Description	CRN-32-5-2 Chemical Cleaning Skid C/W 2 nos of Multistage Pump Skid
Model	GRUNDFOS
Type	Vertical Suction Multistage Pump (CRN 32-5-2 A-F-A-V-HQQV)
Motor	IEC 160MB
Power	11 kW
Voltage	3 x 380-415D/660-690Y V
Frequency	50 Hz
Capacity	30 m³/h
Max. Operating Pressure	16 bar
Speed	2940-2950 rpm
Head	69.7 m
Body Material	SS 304
Seal Material	HQQV
Enclosure Type (IEC 34-5)	55 Dust/ Jetting
Connection Inlet / Outlet	2.5" PN40 Pump Inlet and Outlet
Pump Weight	160 kg

DISTRIBUTION BOX

1 UNIT

Material	MS Powder Coating
Type	IP65 Enclosure/ Weather Proof
Control Button	Start / Stop / Emergency

SKID STRUCTURE

1 UNIT

Material	MS
Overall Size	1450mm (L) x 1450mm (W) x 1500mm (H)
Overall Weight	850 kg
Finishing	Yellow Painting and Epoxy Coating
Others	Welded with 4 Lifting Pad Eye, 2 Side Fork Lift Access

PUMP SKID DETAILS



No	Item	Description	Qty
1	4" Flanged (I/O Header)	4" SO Flange, SS 304, B16, 150#	4
2	2.5" Flanged (At Pump Connection)	2.5" SO Flange, SS 304, PN 25	4
3	2.5" Flanged (Elbow, BV & header)	2.5" SO Flange, SS 304, B16, 150#	8
4	4" Pipe (Header)	4" Pipe, SCH 40, SS 304	2m
5	2" Pipe (Header & Elbow)	2" Pipe, SCH 40, SS 304,	1m
6	Pump	Multistage pump, Grundfos CRN 32-5, 11kw, 25bar	2
7	Hollow	75mm x 75mm x 5mm thick, CS	19m
8	Hollow	75mm x 50mm x 5mm thick, CS	4m
9	C-channel (Pump)	250mmx90mmx13mm thick, CS	1m
10	Plate (Floor)	1300mmx1300mmx5mm thick, CS	1
11	C-channel (Forklift)	150mmx75mmx10mm thick	3m
12	Angle Iron (pipe Support)	50mmx50mmx 5mm thick, CS	2m
13	2" Valve	2.5" Ball Valve, Flange end, SS304, 150#	2
14	2" Valve	2.5" Ball valve, Weld type, SS 304	2
14	PRV	10bar PRV, Set to 8 Bar, SS 304, 1" NPT male	1
15	Thermometer gauge	0-100°C reading, 1/2" NPT Male	1
16	Pressure gauge	0-40 bar reading, 1/2" NPT Male	1
17	Elbow	2.5" SCH 40, 90°, SS 304,	2
18	1/2" Coupling	1/2" NPT Female Threaded, SS304, Weld Type	3
19	1" Coupling	1" NPT Female Threaded, SS304, Weld Type	1
20	1/2" Ball Valve	1/2" Ball Valve, NPT Male, SS 304	1
21	2" Coupling	2" NPT Female Threaded, SS304, Weld Type	1
22	2" Ball Valve	2" Ball valve, NPT male connection	1

PUMP CURVE

