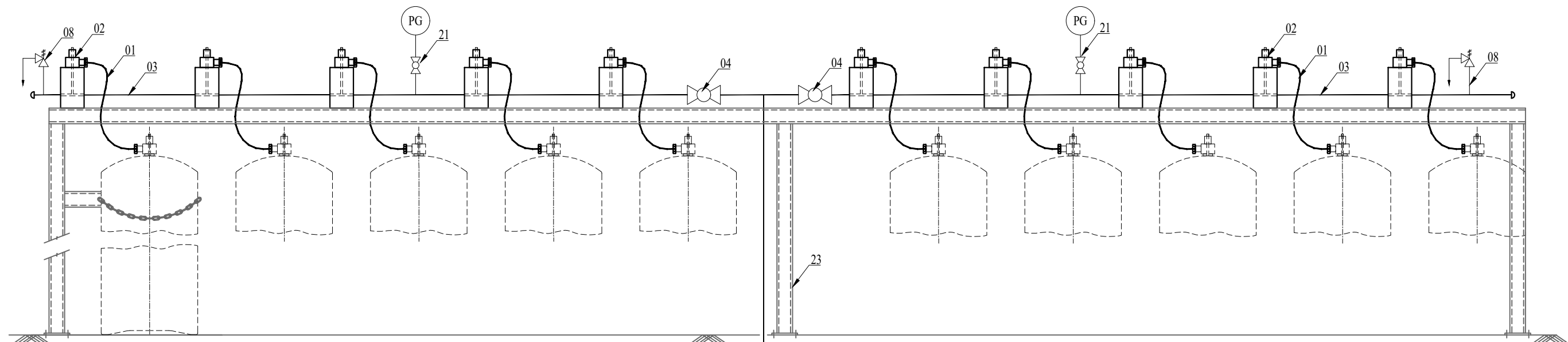




CO2 CYLINDERS STATION

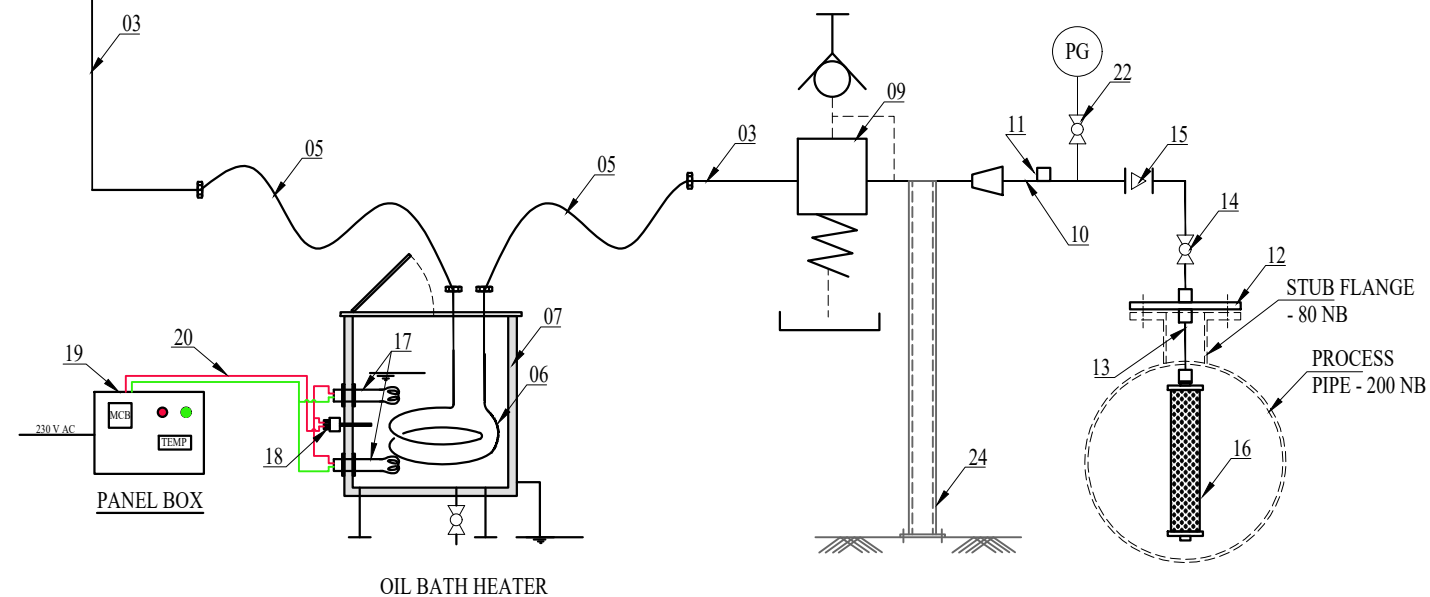
ITEM DETAILS

ITEM NO	DESCRIPTION	MATERIAL SPECIFICATION	UNIT	QTY
01	STEEL BRAIDED HOSE WITH SAFETY LOCK PR. RATING : 150 BAR, SIZE : 3/8", SWIVEL NUT END	TEFLON WITH STEEL BRIADING	NO	10
02	VALVE & VALVE POST; INLET PORT-3/8"; OUTLET PORT-1"	STAINLESS STEEL / BRASS	NO	10
03	HEADER PIPE SEAMLESS, 1/2", SCH.80	STAINLESS STEEL 304	MR	10 (Max.)
04	ISOLATION BALL VALVE - 1/2"	STAINLESS STEEL / BRASS	NO	2
05	STEEL BRAIDED HOSE, L - 1.0 Mtr PR. RATING : 150 BAR, SIZE : 1/2", SWIVEL NUT END	TEFLON WITH STEEL BRIADING	NO	2
06	SEAMLESS TUBULAR COIL 1/2", NO OF TURNS : 2 MIN.	STAINLESS STEEL 304	NO	1
07	FLOOR MOUNTED OIL CONTAINER WITH OPENABLE LID, DRAIN PIPE WITH PLUG, INSULATED, EARTH	STAINLESS STEEL 304	NO	1
08	PRESSURE RELIEF VALVE	STAINLESS STEEL / BRASS	NO	2
09	HEAVY DUTY PRESUURE REGULATOR, 1/2" INLET PR. 70 BAR (MAX.), OUTLET PR. 1 BAR (MIN.)	BRASS	NO	1
10	HEADER PIPE SEAMLESS, 1", SCH.80	STAINLESS STEEL 304	NO	10 (Max.)
11	SPARE PORT (HALF COUPLING WITH PLUG) - 1/2" NPT	STAINLESS STEEL 304	NO	1
12	PLATE FLANGE - 3" NB, CENTRE HOLE - 1", HALF COUPLING ON BOTH SIDE		NO	1
13	MALE NIPPLE WITH FULL COUPLING, 1"	STAINLESS STEEL 304	NO	1
14	ISOLATION BALL VALVE - 1", PN10	STAINLESS STEEL / BRASS	NO	1
15	NON RETURN VALVE - 1"	STAINLESS STEEL / BRASS	NO	1
16	DIFFUSER - 1"	STAINLESS STEEL / BRASS	NO	1
17	HEATER, RATING 400 WATT	STAINLESS STEEL	NO	2
18	THERMOSTAT (60 TO 100 DEG C)	AS PER OEM	NO	1
19	ELECT PANEL BOX, WALL MOUNTED, CONTAINS MCB, HEATER ON-OFF INDICATION, OIL TEMP. DISPLAY	INDUSTRIAL STANDARD	NO	1
20	POWER CABLES	INDUSTRIAL STANDARD	NO	10 (Max.)
21	PRESSURE GAUGE WITH ISOLATION VALVE ; RANGE : 0-100 BAR, 4" DIAL	INDUSTRIAL STANDARD	ST	2
22	PRESSURE GAUGE WITH ISOLATION VALVE ; RANGE : 0-10 BAR, 4" DIAL	INDUSTRIAL STANDARD	ST	1
23	FLOOR MOUNTED RIGID MANIFOLD STAND ; 1.5 MTR HEIGHT, WITH ANCHOR BOLTS	MS FABRICATED, EPOXY PAINT	ST	1
24	FLOOR MOUNTED RIGID REGULATOR STAND ; 1.0 MTR HEIGHT, WITH ANCHOR BOLTS	MS FABRICATED, EPOXY PAINT	ST	1

CAPACITY : 6 to 18 Kg/Hr

NOTES :

- THE GAP BETWEEN CYLINDER TO CYLINDER TO BE MAINTAINED PROPERLY FOR EASY CYLINDER MOVEMENT.
- THE STRUCTURAL MATERIALS ARE TO BE PAINTED WITH MARINE GRADE EPOXY PAINT.
- REFER CO2 DOSING ROOM AND PROCESS PIPING LAYOUT FOR FINALIZING THE OUTLET PIPE ROUTING FROM HEATER TO PROCESS PIPE.
- ALL INSTRUMENTS SHALL BE FIXED WITH VISIBLE HEIGHT.
- ALL VALVES, PRESSURE REGULATORS SHALL BE MOUNTED AT APPROACHABLE HEIGHT.
- CO2 CYLINDERS ARE IN THE SCOPE OF BHEL.
- PROCESS PIPE, STUB FLANGES ARE IN THE SCOPE OF BHEL.
- ELECTRICAL SUPPLY OF 230 V SINGLE PHASE AC SHALL BE PROVIDED BY BHEL TO THE PANEL BOX.



REV	DATE	ALTERED	CHECKED
ZONE			

CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company.		TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT						
		CO2 DOSING SYSTEM						
		BHARAT HEAVY ELECTRICALS LTD., UNIT: BOILER AUXILIARIES PLANT, RANIPET - 632 406.		DRN CHD APPD	NAME B B SAHU BALARAJU BALARAJU	SIGN sd/- sd/- sd/-	DATE 14.03.2026 14.03.2026 14.03.2026	NO. OF VAR.
		DEPT CODE WS 9776	GRADE OF UNTOL.DIM PR: QA: 500	SCALE NTS	WEIGHT (KG).	REF. TO ASSY/OLD DRG.	ITEM NO.	NO. OF ITEMS
TITLE SCHEME & GENERAL DETAILS FOR CO2 DOSING SYSTEM		CARD CODE U 01	DRAWING NO. 3-WT-000-01602			REV 0		