

# DUPLEX CONDENSATE RECOVERY PUMP

## TECHNICAL INFORMATION SHEET (VCRP-80D/100D)

CARBON STEEL  
CLASS / RATING : #150| SIZE : 80 NB & 100 NB



### DESCRIPTION

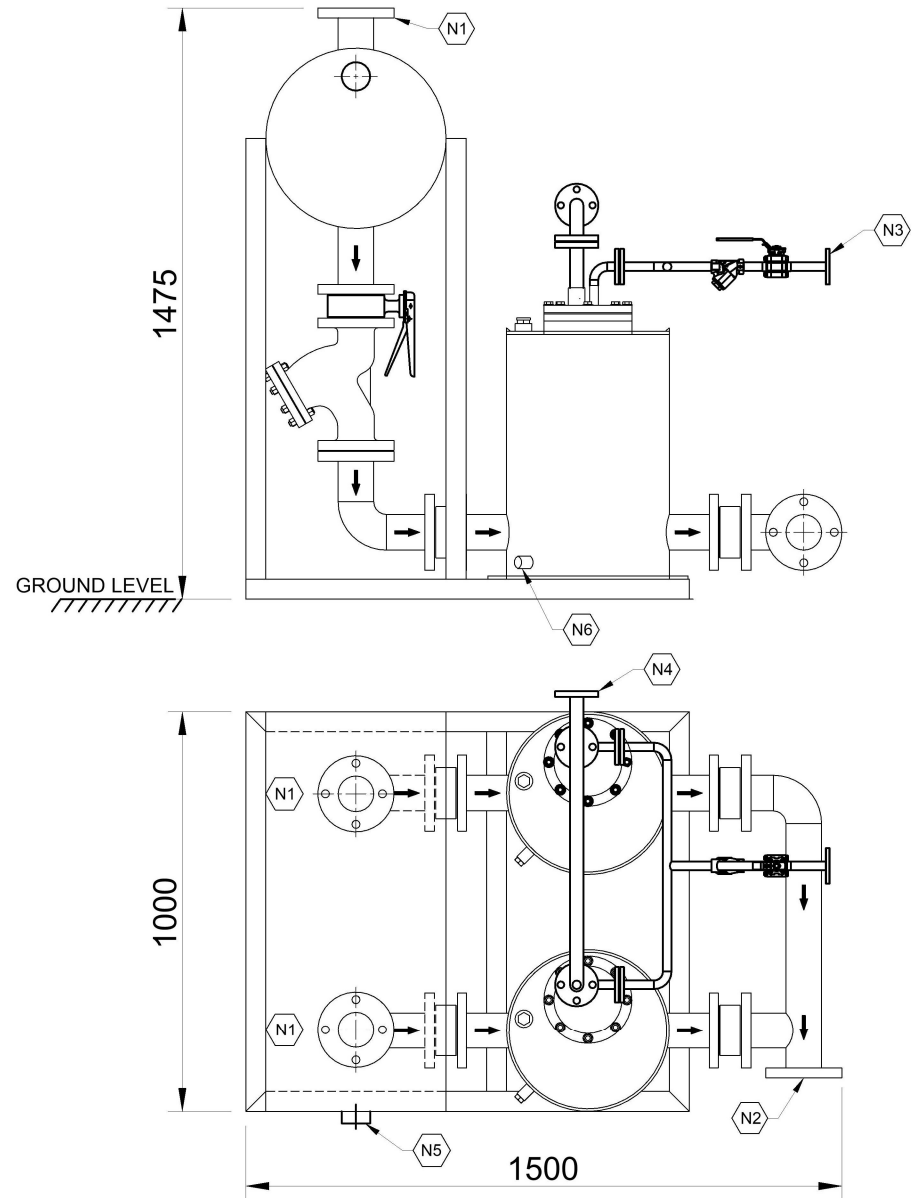
THE VOLFRAM DUPLEX CONDENSATE RECOVERY PUMP IS A POSITIVE DISPLACEMENT PUMP UNIT OPERATED BY STEAM/AIR TO RECOVER THE CONDENSATE BACK TO BOILER FEEDWATER TANK.

### BILL OF MATERIAL

Sr.No	ITEM DESCRIPTION	MATERIAL
1	RECEIVER	CARBON STEEL
2	BUTTERFLY VALVE #150	CAST IRON
3	STRAINER #150 / SW	A216 WCB / A105
4	BALL VALVE SW/SCR	A105
5	DCV #150(SANDWITCHED)	STAINLESS STEEL
6	CONDENSATE PUMP	CARBON STEEL
7	PIPING	CARBON STEEL
8	FLANGES & FITTINGS	CARBON STEEL
9	FASTNERS	MS PLATED
10	STRUCTURE	IS 2062

### DESIGN PARAMETERS.:

1. SIZE.: 80 NB, 100NB
2. BODY DESIGN.: 10 bar(g) AT 200 °C
3. OPERATING MOTIVE PRESSURE.: 2-7 bar(g)
4. PER PUMP DISCHARGE PER CYCLE.: 30 Ltrs.
5. MATERIAL OF CONSTRUCTION.: CARBON STEEL



\* NOTE : GENERAL TOLERANCE FOR THE DIMENSIONS ± 10 MM.

### DUPLEX CONDENSATE RECOVERY PUMP

### NOZZLE DESCRIPTION

NOZZLE DETAILS		SIZE	
NOZZLE NO.	DESCRIPTION	VCRP-80D	VCRP-100D
N1	CONDENSATE INLET	80NB #150	100NB #150
N2	CONDENSATE OUTLET	80NB #150	100NB #150
N3	MOTIVE STEAM INLET	15NB #150	15NB #150
N4	EXHAUST	25NB #150	25NB #150
N5	SOCKET FOR OVERFLOW	50NB BSP	50NB BSP
N6	DRAIN PLUG	15NB BSP	15NB BSP

### CAPACITY CHART

MOTIVE PRESSURE (Kg/cm <sup>2</sup> )	BACK PRESSURE (Kg/cm <sup>2</sup> )	VCRP-80D (Kg/hr)	VCRP-100D (Kg/hr)
7.0	1.0	7650	9540
7.0	3.0	7240	9230
7.0	4.50	7040	8820
5.50	1.0	7190	9030
5.50	3.0	6980	8980
5.50	4.50	6780	8620
3.50	1.0	6930	8920
3.50	1.50	6830	8820
3.50	2.50	6680	8570
2.0	0.50	6780	8500
2.0	0.80	6680	8330
2.0	1.0	6470	7990

- \* NOTE.:
1. THIS SCHEMATICS IS ONLY FOR REFERENCE PURPOSE THE ACTUAL PRODUCT MAY LOOK DIFFERENT.
  2. WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT PRIOR NOTICE FOR THE DEVELOPMENT AND IMPROVEMENT OF THE PRODUCT.

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