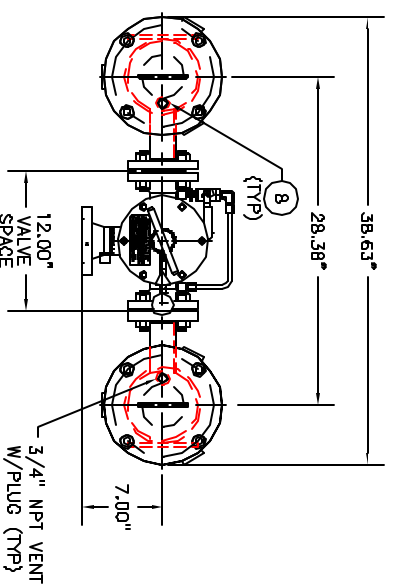
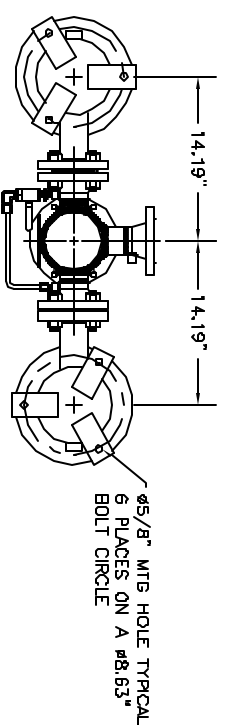
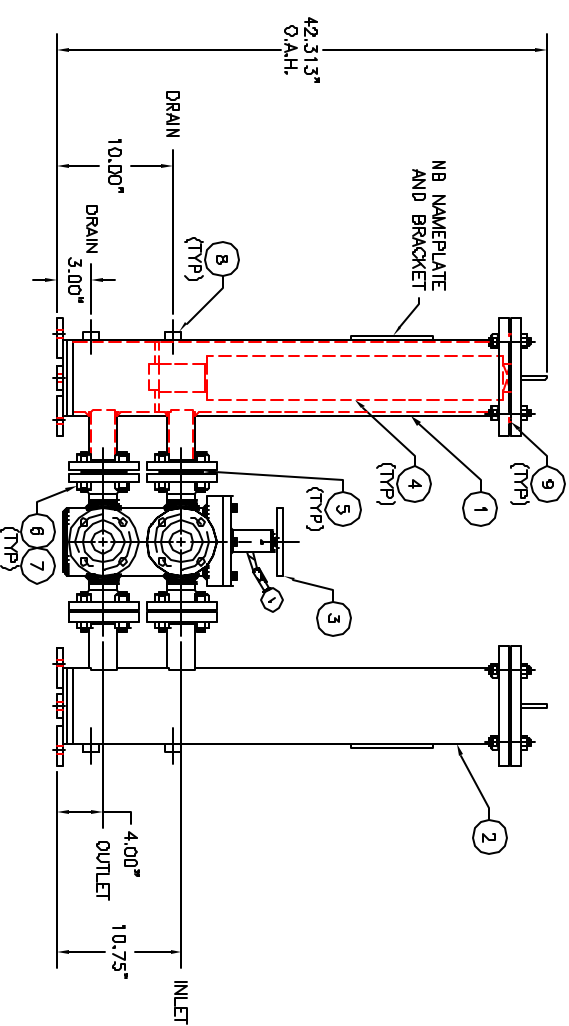


BILL OF MATERIAL		PART	DESCRIPTION	QUANTITY	MATERIAL
1	1	1	FILTER VESSEL BODY V -D4-212F-P11	1	CARBON STEEL
2	1	1	FILTER VESSEL BODY V -D4-212F-P11	1	CARBON STEEL
3	1	1	2" 150# JRS3 VALVE JRCBSS32LSX	1	CARBON STEEL
4	2	2	ELEMENT V264-0250-B-1	2	NON-ASBESTOS
5	4	4	GASKET 2" 150# RF	4	NON-ASBESTOS
6	18	18	STUD 5/8-11 X 3.00"	18	SA-193 GRADE B7
7	32	32	HEAVY HEX NUT 5/8-11	32	SA-194 GRADE 2H
8	6	6	3/4" NPT PLUG	6	SA-105
9	2	2	O-RING 1-365	2	BUVA



NOTE:
26" OVERHEAD CLEARANCE REQUIRED
FOR FILTER REMOVAL



WARNING!
UNIT MUST BE BOLTED TO FLOOR BEFORE ATTEMPTING TO OPEN VESSEL COVERS

CONNECTIONS:
INLET/OUTLET: 2" 150# ANSI RF FLANGE
DRAIN PORTS: 3/4" NPT
VENT PORT: 3/4" NPT

PRESSURE RATING
200 PSI @ 250 DEG. F

SWITCH OVER INSTRUCTIONS

1. ARROW ON VALVE HANDLE POINTS TO FILTER VESSEL IN USE.
2. OPEN BYPASS VALVE. (TO PRESSURIZE STANDBY VESSEL.)
3. BLEED AIR FROM STANDBY VESSEL WITH AIR BLEED ON LID OF VESSEL, THEN CLOSE AIR BLEED.
4. ON TRANSFER VALVE, UNSCREW TEE HANDLE, PUSH DOWN AND ROTATE VALVE HANDLE 180°, HAND TIGHTEN TEE HANDLE.
5. CLOSE BYPASS VALVE.

ELEMENT CHANGE INSTRUCTIONS

1. BLEED PRESSURE FROM STANDBY VESSEL WITH VENT VALVE
2. DRAIN VESSEL (IF REQUIRED).
3. REMOVE COVER BOLTS AND LID.
4. CHANGE ELEMENTS.
5. POSITION LID AND BOLTS AND TIGHTEN EVENLY.
6. CLOSE DRAIN AND VENT VALVE.
7. STANDBY VESSEL IS NOW READY FOR NEXT SWITCH OVER.

- NOTES:**
1. FILTER VESSEL CONSTRUCTION PER ASME CODE SECTION VIII, DIV. 1, LATEST ADDENDA, U1 STAMP AND NATIONAL BOARD REGISTERED
 2. MATERIALS OF CONSTRUCTION ALL WETTED PARTS TO BE CARBON STEEL. ALL WELDED ATTACHMENTS TO BE CARBON STEEL. CLOSURE ASSEMBLIES TO BE FLANGE BOLT TYPE PAINT: HOUSING TO BE PRIMED ONLY w/MACHINERY GRAY ENAMEL PRIMER
 3. DESIGN PRESSURE 200 PSIG
 4. DESIGN TEMPERATURES 250°F (MDWT-20°F)
 5. APPROXIMATE WEIGHTS
EMPTY: 391#
OPERATING: 477# (S.G. OF 1.00)
 6. FILTER MEDIA 26" LONG FILTER CARTRIDGE 1 PER HOUSING
 7. HYCOA NUMBER 25 MICRON, B₂₅-200
 8. D4-212F-P11-000- FILTER VESSELS CORROSION ALLOWANCE: "NONE"
 9. FILTER ELEMENT MAX. OPERATING TEMP: 280°F
 10. INLET/OUTLET PIPING MUST BE SUPPORTED WITHIN 24" OF VALVE.
 11. HYDRO-TESTED TO 260 PSI AS PER API-614.

THESE DESIGNS ARE SUBMITTED WITH THE UNDERSTANDING THEY CANNOT BE COPIED OR USED WITHOUT THE EXPRESS PERMISSION OF CLARK RELIANCE CORPORATION.



CLARK-RELIANCE CORPORATION
1538 PINE HAVEN STRONGSIDE DR. #114
RE: 40-52-624 1540-25-000

NO.	REV.	DATE	BY	CHKD.	REVISION
0					
<p>DESIGN: KDR SCALE: 1/8" = 1"</p> <p>DRAWN: CTS DATE: 1/9/05</p> <p>0</p>					