

20HM104

20HM105 for H₂S Service

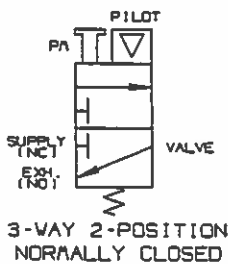
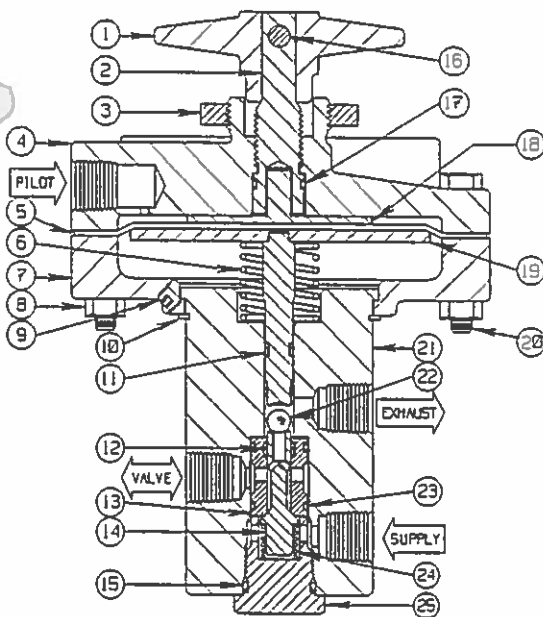
3-Way N.C. Hydraulic Controller (10,000PSI)
Panel Mount

20
SERIES

ASSEMBLY NUMBERS

20HM104 3-Way Normally Closed Panel Mount Hydraulic Controller - Standard Service
20HM105 3-Way Normally Closed Panel Mount Hydraulic Controller - H₂S Service

Conforms to the SEP category of the European Pressure Equipment Directive
Issue no. 97/23/EC



* Indicates parts included in a Repair Kit; to order a Repair Kit add the letters RK to the end of the assembly number.

DESCRIPTION:

The 20HM104 is a two position, three way normally closed, Pilot Supply pressure operated, hydraulic flow control valve assembly. It is designed to establish high pressure hydraulic fluid output, automatically with each application of relatively low Pilot Supply pressure.

A loss of Pilot Supply pressure will block the hydraulic Supply (inlet) port and exhaust the accumulated operating pressure within the high pressure receiving control circuit. Hydraulic Controllers (Interface Valves) are generally used to control the open/close operating sequence of Surface Controlled Sub-Surface Safety Valves (SCSSV) or Surface Safety Valves (SSV).

The 20HM104 has a manual Override Handle to establish internal hydraulic Supply to Valve flow, without the application of Pilot Supply pressure. This feature allows the SCSSV or SSV to be opened for normal start-up operation or for testing purposes.

PARTS LIST:

- | | |
|------------------------|-------------------------|
| 1. Override Handle | * 14. Valve Seat |
| 2. Override Stem | * 15. O Ring |
| 3. Panel Nut | 16. Cross Pin |
| 4. Upper Housing | * 17. O Ring |
| * 5. Diaphragm | 18. Protector |
| * 6. Spring | 19. Plate/Plunger |
| 7. Lower Housing | * 20. Hex Bolt |
| * 8. Hex Nut | 21. Valve Body |
| * 9. Set Screw | * 22. 1/4" Carbide Ball |
| * 10. Spiral Ring | * 23. O Ring |
| * 11. O Ring & Back Up | * 24. Spring |
| * 12. O Ring & Back Up | 25. Retainer |
| * 13. Valve Spool | |