Fail-Safe In-Line Mechanical Clean Oil Dispenser

Product Description
- Fail-safe In-Line Mechanical Clean Oil Dispensing Filter rated for 900 psi and 30 gpm
- Ideal for dispensing applications where clean fluid delivery is a must
- Dispensed fluid is filtered or it is returned to the tank
- Field proven to deliver ISO cleanliness levels of 18/15/13 or better in a single pass
- Series filtration with MCO2 and MCO3 filters

Technology
- Housings incorporate a non-bypassing but low cost 150 psi Beta X ≥ 1000 rated element
- Low element cost is achieved through the use of a unique proportional valve that, when used with an external relief valve, redirects the flow back to the tank as element DP increases
- As the element loads, the element service life indicator, located on the housing, indicates that service is required before the fluid flow begins to return to tank. Unfiltered “dirty” oil cannot pass the filter even if the service life indicator is ignored.
- Fluid Cleanliness Sampling Ports provided for proof of filtration into the system being filled
- Easy to install and designed with top service for easy element service
- Push button bleed valves located on each filter housing

Application

Normal Operation

"Bypass" Operation

*S Product not included in base model pricing.
** Product is customer supplied.
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Flow Rating: Up to 30 gpm (113 L/min) for 150 SUS (32 cSt) fluids
Max. Operating Pressure: 900 psi (60 bar)
Min. Yield Pressure: 3200 psi (220 bar), per NFPA T2.6.1
Rated Fatigue Pressure: 750 psi (52 bar) per NFPA T2.6.1-R1-2005
Temp. Range: -20°F to 225°F (-29°C to 107°C)
Bypass Setting: Non-Bypassing System
Porting Head & Cap: Cast Aluminum
Element Case: Steel
Weight of MCO-1K: 21 lbs. (9.5 kg)
Weight of MCO-2K: 32 lbs. (14.5 kg)
Weight of MCO-3K: 43 lbs. (19.5 kg)
Element Change Clearance: 17.50" (445 mm) for KK; 26.5" (673 mm) for 27K

How to Build a Valid Model Number for a Schroeder MCO:

Box 1: Box 2: Box 3: Box 4: Box 5: Box 6: Box 7: Box 8: Box 9: Box 10

Example: NOTE: One option per box

MCO 3 27 G05 G03 G03 V S D5 RV = MCO327G05G03G03VSD5RV

NOTES:
Box 10. An upstream pressure relief valve must be used. Should be no greater than 650 psi.

*The “RV” option is supplied as a loose item. Users have to install the relief valve within their Hydraulic System.