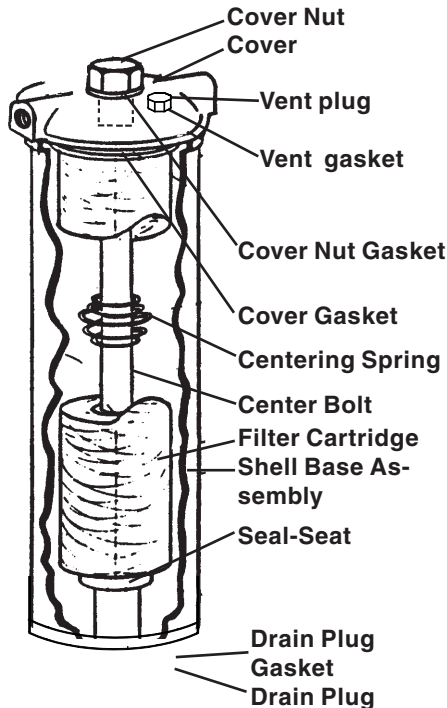




SERIES 'M' LOW FLOW METAL FILTER CHAMBER

Refer to Bulletin C-201 and
Master Price List F-800.



MODEL	PRICE CODE NUMBER	MATERIAL	MAXIMUM PRESSURE	PIPE SIZE	NO. OF 10" CARTRIDGES
MC 10-1/2	78-1500	Cast iron head with carbon steel shell-base & internals	250 PSIG	1/2"	1
MC 10-3/4	78-1501			3/4"	1
MC 10-1	78-1502			1"	1
MC 20-3/4	78-1503			3/4"	2
MC 20-1	78-1504			1"	2
MC 30-3/4	78-1505			3/4"	3
MC 30-1	78-1506	1"	3		
M4S 10-3/4	78-1507	304SS head, shell-base and internals	250 PSIG	3/4"	1
M4S 10-1	78-1508			1"	1
M4S 20-3/4	78-1509			3/4"	2
M4S 20-1	78-1510			1"	2
M4S 30-3/4	78-1511			3/4"	3
M4S 30-1	78-1512			1"	3
M6S 10-3/4	78-1513	316SS head, shell-base and internals	250 PSIG	3/4"	1
M6S 10-1	78-1514			1"	1
M6S 20-3/4	78-1515			3/4"	2
M6S 20-1	78-1516			1"	2
M6S 30-3/4	78-1517			3/4"	3
M6S 30-1	78-1518			1"	3

REPLACEMENT GASKETS

(Standard gaskets: Buna at shell, fiber at cover nut, vent and drain)

ITEM	BUNA	TFE (optional)	PLANT FIBER
Shell gasket "O"-ring	78-1521	78-1522	78-1520
Cover nut gasket	—	78-1556	78-1555
Vent gasket	—	78-1546	78-1545
Drain gasket	—	78-1546	78-1545

For other replacement parts include Description and Model Number when ordering.

! SAFETY PRECAUTIONS BEFORE STARTING

1. Read operating instructions and instructions supplied with chemicals to be used.
2. Refer to a chemical resistance data chart for compatibility of materials with solution to be filtered.
3. Note pressure limitations.
4. Personnel operating chamber should always wear suitable protective clothing: face mask or goggles, apron and gloves.
5. Always close valves slowly to avoid hydraulic shock.
6. Ensure that all fittings and connections are tight.

BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE:

1. Wear protective clothing as described in Item 4 above.
2. Flush thoroughly with a neutralizing solution to prevent possible harm to personnel.
3. Verify compatibility of materials as stated in Item 2 of SAFETY PRECAUTIONS.

! CAUTION

These units incorporate gasket seals at shell, cover nut, vent and drain. Only a snug-tight closure is required. If leakage occurs, a slight additional tightening will usually stop it. If the leakage continues, relieve pressure from chamber, remove and clean gasket and adjacent seating surfaces, then reassemble. If leakage persists, replace gasket or change gasket material.

INSTALLATION

Filter is normally suspended and supported in a horizontal pipe. Allow ample clearance under the chamber to collect drained solution when changing cartridges. A minimum of 3" clearance under the unit will facilitate its removal.

Carefully note IN and OUT connections as cast in the filter head. Connect in the proper direction of flow. Install filter cartridge. Install with inlet and outlet stop valves to facilitate cartridge replacement.

OPERATION

Slightly open filter inlet valve, checking for gasket leak. See CAUTION if leakage occurs. Loosen vent plug to bleed entrapped air. Tighten when liquid appears around nut. As the filter cartridge removes contamination, the pressure drop across the unit will slowly rise or a reduction in flow rate will be experienced. This can be determined by pressure gauges mounted upstream and downstream from the filter. In normal operation, it is

desirable to change cartridges when a rise of 15 to 30 PSIG above initial inlet pressure has been reached. In no case should 45 PSI be exceeded. When flow drops below an acceptable point, cartridges should be changed.

SERVICING

When filter cartridges are expended, close inlet and outlet valves to unit. Open bottom drain plug and loosen vent to drain unit. Unscrew cover nut supporting the shell. Remove and discard used cartridge. Clean all parts. Inspect, clean, and replace seals, if necessary. Place new filter cartridge in shell. Raise entire shell assembly to filter head until the cartridge guide engages in the cartridge center core. Pick up center bolt thread with the cover nut and tighten.

Carbon cartridges, for taste and odor removal, may have loose carbon fines which can be flushed with a few gallons of water before use.



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