



METAL FILTER CHAMBERS

MODELS:	PRICE CODE NOS.
S30 1½	78-0895
S60 1½	78-0896
S90 1½	78-0897
S120 2	78-0898
S180 2	78-0899

Refer to Bulletin C-201 and Parts List P-7425.

! SAFETY PRECAUTIONS BEFORE STARTING

1. Read Operating Instructions and instructions supplied with chemicals to be used.
2. Refer to Chemical Resistance Data chart for compatibility of materials with solution to be used.
3. Note temperature and pressure limitations.
4. Personnel should always wear suitable protective clothing: face mask or goggles, apron and gloves.
5. All piping must be supported and aligned independently.
6. Always close valves slowly to avoid hydraulic shock.
7. Ensure that all fittings and connections are properly tightened.

! BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE

1. Wear protective clothing as described in line 4 above.
2. Flush pump thoroughly with a neutralizing solution to prevent possible harm to personnel.
3. Verify compatibility of materials as stated in item 2 above.
4. Shut off power to motor at disconnect switch.

INSTALLATION

Filter can be floor mounted on the legs or supported in the piping.

Carefully note IN and OUT connections as marked in the base.

Connect in the proper direction of flow. Remove cover.

All necessary parts except filter cartridges are supplied with the filter.

Assemble filter as shown in diagram, using the type of filter cartridges best suited for your particular requirement. Insert cartridge guides into bottom seat plates with cartridge extracting prongs down. Slide filter cartridges over cartridge guides. In multi-deck housings, place

spacers between cartridges. Install top seat spring assemblies on all cartridges. Replace cover.

OPERATION

Open inlet valve to filter slowly, checking for gasket leak.

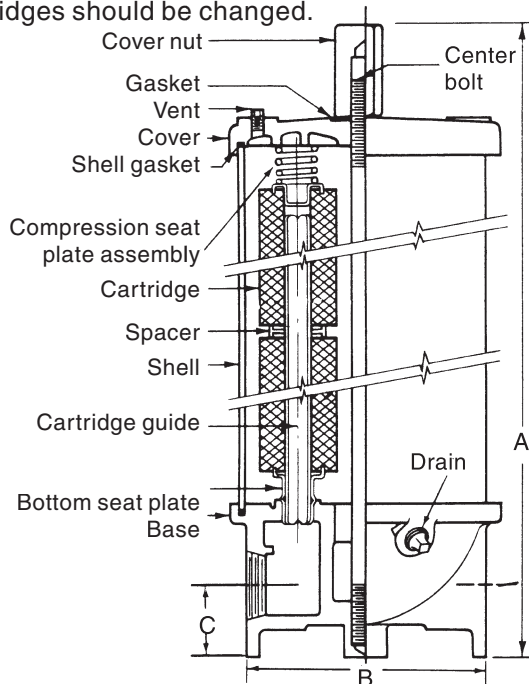
Loosen cover vent plug to bleed entrapped air.

Tighten when liquid appears around plug.

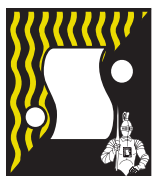
As the filter cartridges remove contamination, the pressure drop across the unit will slowly rise. This can be determined by a pressure gauge mounted upstream from the filter.

In normal operation, it is desirable to change cartridges when a rise of 15 to 20 pounds above initial inlet pressure has been reached. In no case should 45 PSI differential pressure be exceeded.

If no pressure gauges are available, rise in pressure will be reflected by a drop in flow if a centrifugal pump is being used. When flow drops below an acceptable point, cartridges should be changed.



! CAUTION: Do not use air or gas as the operating or testing medium.



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