

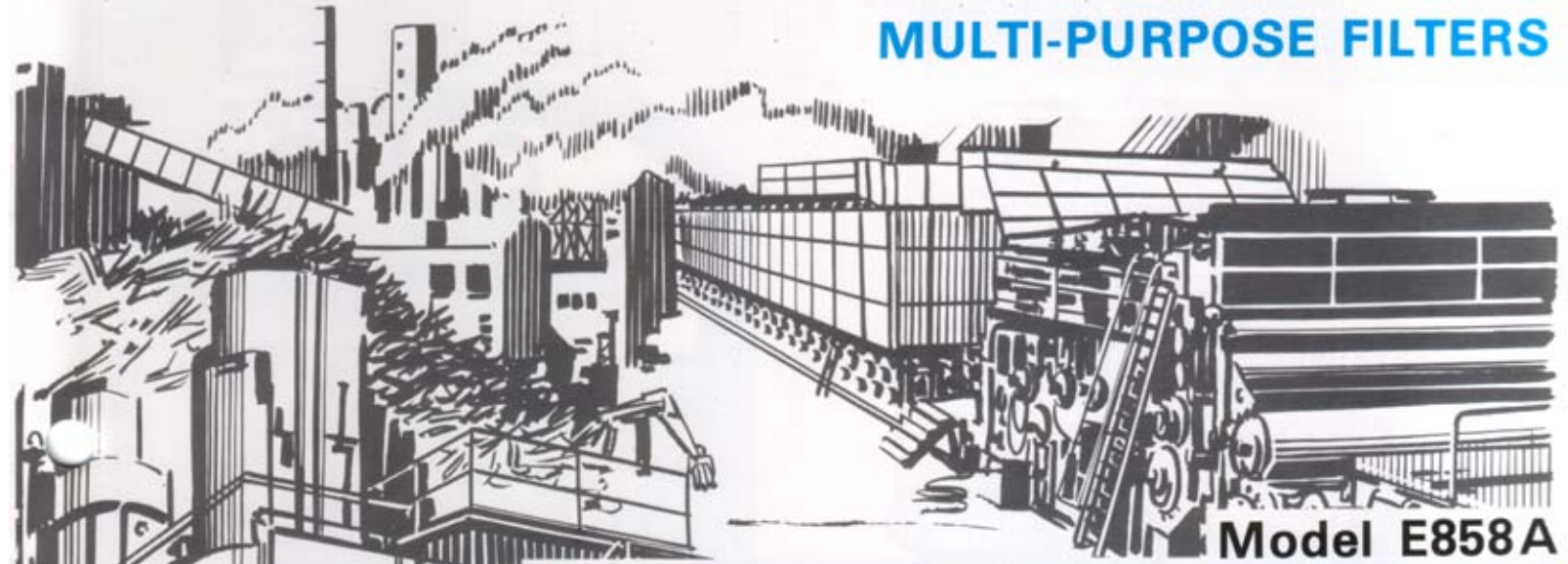
ENERVAC

CORPORATION

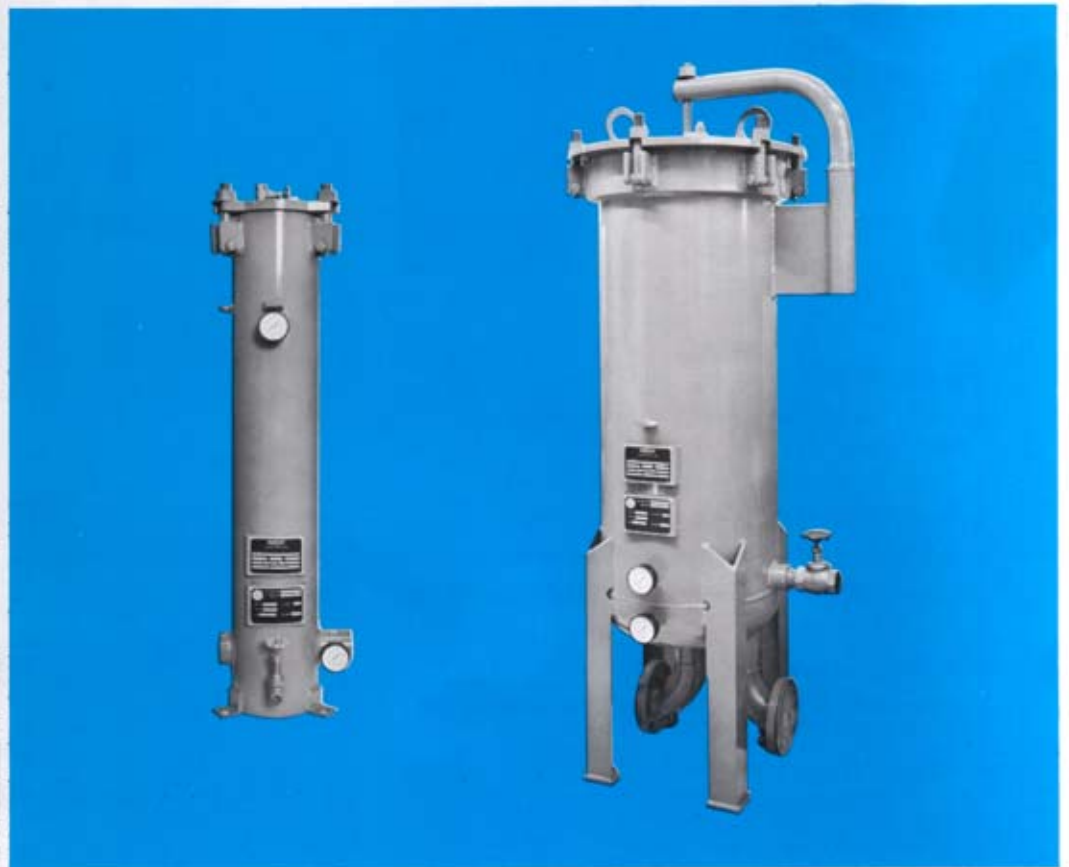
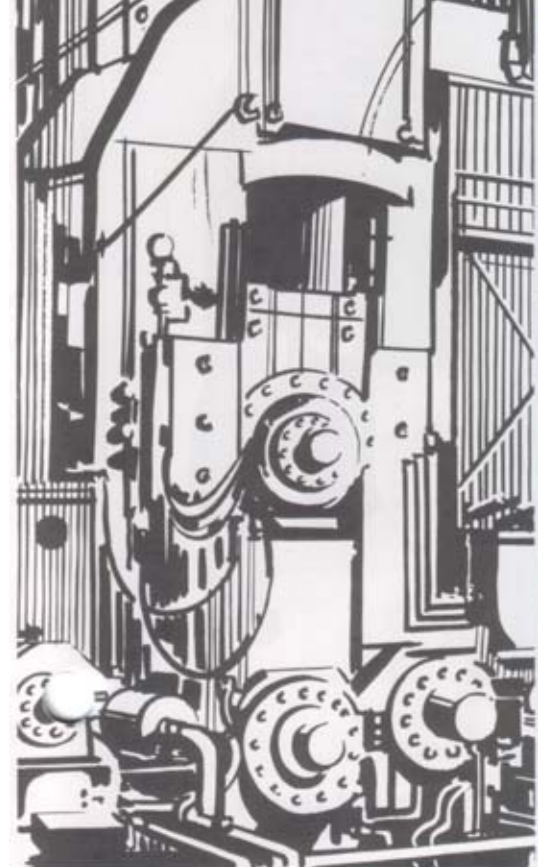
Engineers and Manufacturers of

INDUSTRIAL *FILTRATION*

MULTI-PURPOSE FILTERS



Model E858A



Oil Filtration Equipment

Description

The Enervac Model E858A Filter is A.S.M.E. Code designed and labelled for 150 P.S.I. operating pressure. The all-steel case has multiple spindles to accommodate a wide variety and number of interchangeable elements, absorptive, adsorptive and mechanical-type. The selection of the proper element for specific application depends upon the customer's micronic selectivity and flow requirements.

Applications

- Rolling Oils
- Turbine Oils
- Engine Oils
- Quench Oils
- Insulating Oils
- Hydraulic Oils
- Full Flow Lube Oil
- Aviation Fuels
- Diesel Fuels
- Fuel Oils



Features

- Wide Media Selectivity — interchangeable cartridges.
- Traps and Holds Contaminants.
- Assures Maximum, Continuous Clarity.
- A.S.M.E. Code Designed and Labelled.
- Cover Lifting Device (models E858A-3 and up).
- Low Maintenance.
- O Ring Gasket Seal (except E858A-1 and 2).
- Pressure Gauges for reading Inlet and Outlet Pressure.
- Manual Drain Valve.
- Swing bolt type closure.



MODEL E858A

Pressure Filter for Oils and Liquids

MODEL NOMENCLATURE CHART

EF-718-0C	0	FULLERS EARTH
EF-718-0B	0	FULLERS EARTH
EP-718-30A	30	PLEATED PAPER
EP-718-20A	20	PLEATED PAPER
EP-718-10A	10	PLEATED PAPER
EP-718-5A	5	PLEATED PAPER
EP-718-1A	1	PLEATED PAPER
EP-718-½A	½	PLEATED PAPER
ELEMENT MOD. NO.	MICRON [NOM.]	ELEMENT DESCRIPTION

NOTES

1. All Filter Housings are designed in accordance with section VIII of the A.S.M.E. Code and C.S.A. B51.
2. Bolt Holes in Inlet and Outlet flanges straddle both horizontal and vertical center lines. All flanges are standard 150 lbs. A.S.A., R.F.
5. Interior and exterior paint per Enervac specification.

E858A - - -

STANDARD FEATURES

- 3/4" NPT FEMALE PORT IN COVER, PLUGGED FOR RELIEF VALVE CONNECTION
- 1/2" NPT FEMALE PORT IN COVER PLUGGED FOR VENT VALVE CONNECTION
- BRASS DRAIN VALVE (MANUAL)
- TWO PRESSURE GAUGES, FOR INDICATION OF PRESSURE DROP ACROSS FILTER ELEMENTS

NOTE: MODEL SIZE INDICATES ALSO NUMBER OF ELEMENTS IN FILTER HOUSING

Code OPTIONAL FEATURES

D	DIFFERENTIAL PRESSURE GAUGE RANGE 0-15 PSID
D₁	DIFFERENTIAL PRESSURE SWITCH RANGE 3-15 PSID, 10 AMP SPDT CONTACT
R	RELIEF VALVE 3/4" NPT, BRASS 150 PSIG SETT.
V	1/2" MANUAL BRASS VENT VALVE
V₁	1/2" AUTOMATIC VENT VALVE WITH (BRASS) MANUAL SHUT OFF VALVE
F	FLANGED IN-OUT CONNECTIONS FOR MOD. SIZE 1 & 2 ONLY
X	SPECIAL ENGINEERING

MOD. SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	SHIP. WGHT.
*1	8"	5½"	7½"	29½"	33"	18"	9¾"	2"NPT	½"	12¾"	5¾"	—	5½"	100lbs
*2	8"	5½"	7½"	47½"	51"	18"	9¾"	2"NPT	½"	12¾"	5¾"	—	5½"	155lbs
*3	16"	6"	9"	45"	54"	18"	9"	3"Flg.	1"	23"	15¼"	40"	8¼"	375lbs
*6	16"	6"	9"	63½"	72"	18"	9"	3"Flg.	1"	23"	15¼"	40"	8¼"	450lbs
8	18"	6"	6"	62¾"	77¾"	18"	12"	3"Flg.	1"	24"	14"	40"	9¼"	750lbs
14	24"	6"	12"	65¾"	82½"	18"	14"	4"Flg.	1"	30"	18"	50"	12¾"	1000lbs
20	30"	7¼"	16"	71¾"	89¾"	18"	21"	6"Flg.	1½"	36"	21"	60"	15¾"	1425lbs
32	36"	8¾"	20"	77½"	93¾"	18"	25"	8"Flg.	1½"	42"	23"	70"	18¾"	2000lbs
44	42"	8¾"	20"	78¾"	99¾"	18"	25"	8"Flg.	1½"	48"	26"	80"	21¾"	2800lbs
58	48"	8¾"	21"	80¾"	103¾"	18"	25"	8"Flg.	1½"	52"	29"	90"	24¾"	3700lbs
72	54"	10"	22"	84¼"	112¼"	18"	34"	10"Flg.	1½"	60"	32"	100"	27½"	4700lbs

All dimensions are in inches and weight in lbs.
*Size 1, 2, 3 and 6 has flat top head

Pleated Paper Cartridges

Description

Cartridges consist of special resin-impregnated paper cured at high temperature and formed into uniform layers providing a microscopically fine filter media. Reinforced heavy gauge steel electroplated centre tubes. Outer jackets are made of electroplated steel for maximum strength and protection.

Features

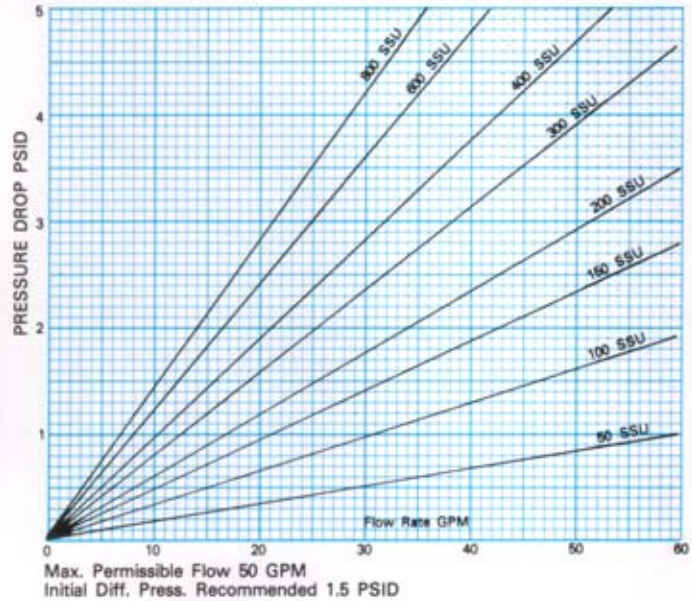
- Designed for 98% efficiency, cartridges available for removal of particles 30, 20, 10, 5, 1, ½ microns and over.
- Progressively Finer Filtration. Accumulated solids increase filtration efficiency.
- High Flow Rate.
- Low Pressure Drop.
- Unusually Fine Particle Selection.
- Suitable for Water Emulsion Coolants.
- Harmless to Additives. Does not remove additives found in many petroleum products.



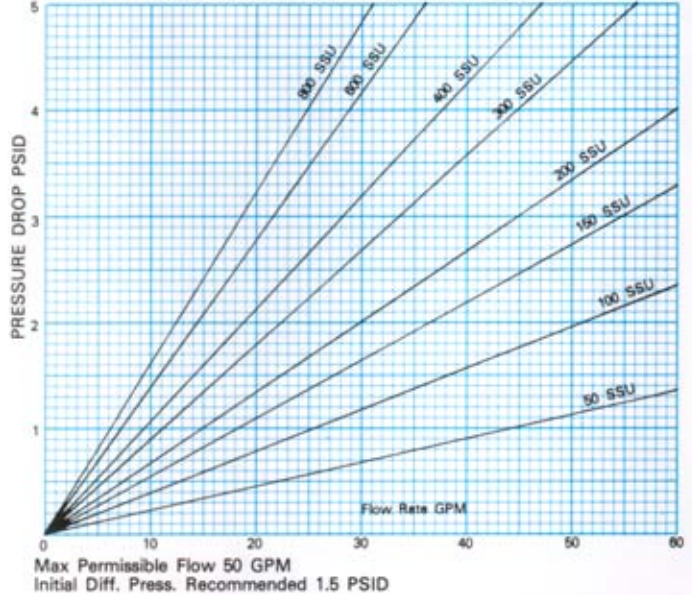
EP-718 Series

All EP-718 Series have an operating temperature range of -30° to +275°F. The minimum Element collapse pressure 100 PSID. Replacement diff. pressure recommended 20 PSID.

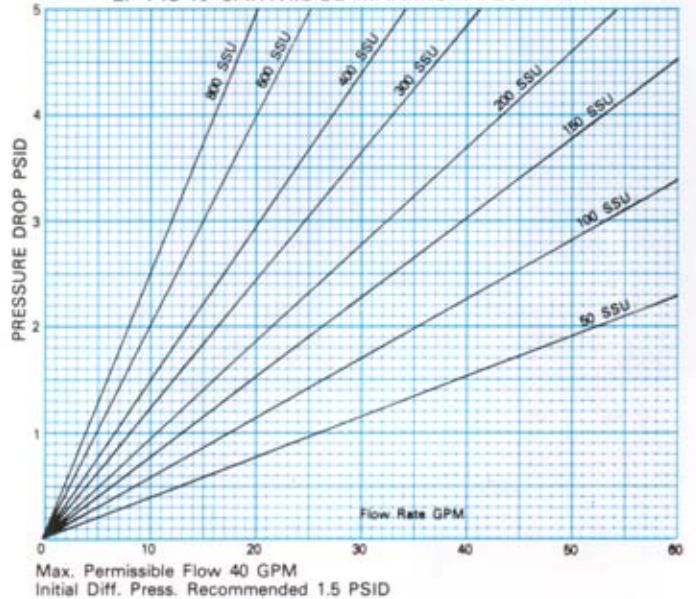
EP-718-30 CARTRIDGE MAXIMUM FLOW RATE



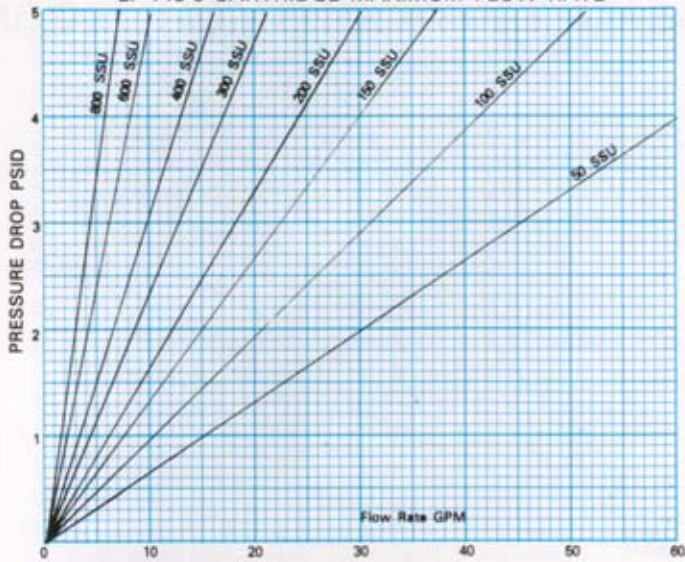
EP-718-20 CARTRIDGE MAXIMUM FLOW RATE



EP-718-10 CARTRIDGE MAXIMUM FLOW RATE

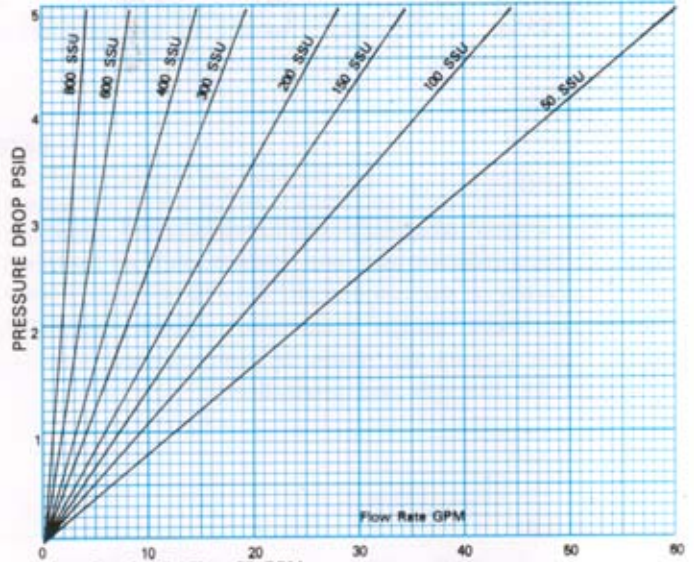


EP-718-5 CARTRIDGE MAXIMUM FLOW RATE



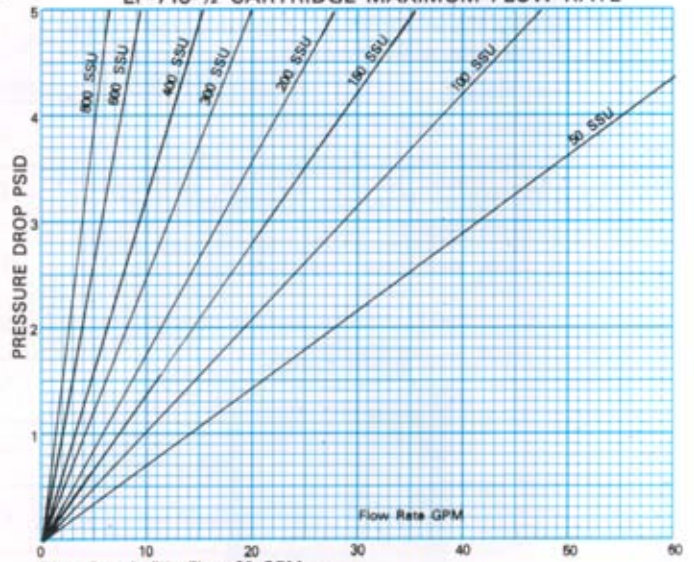
Max. Permissible Flow 25 GPM
Initial Diff. Press. Recommended 1.5 PSID

EP-718-1 CARTRIDGE MAXIMUM FLOW RATE

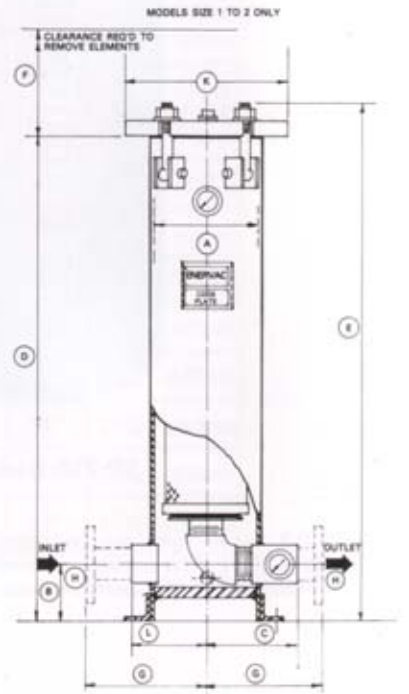
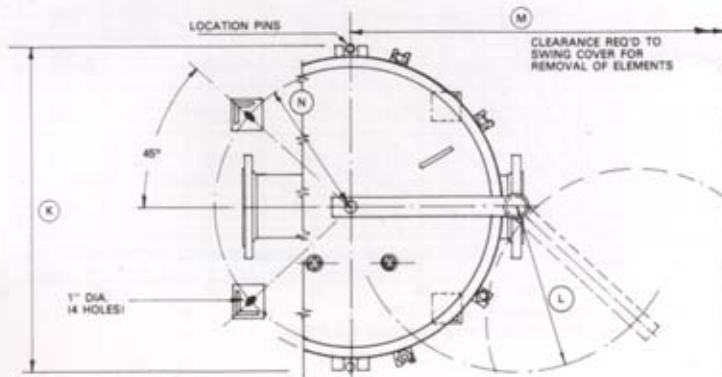
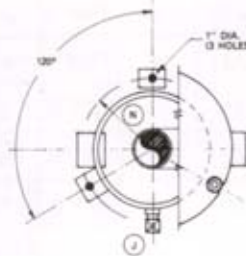
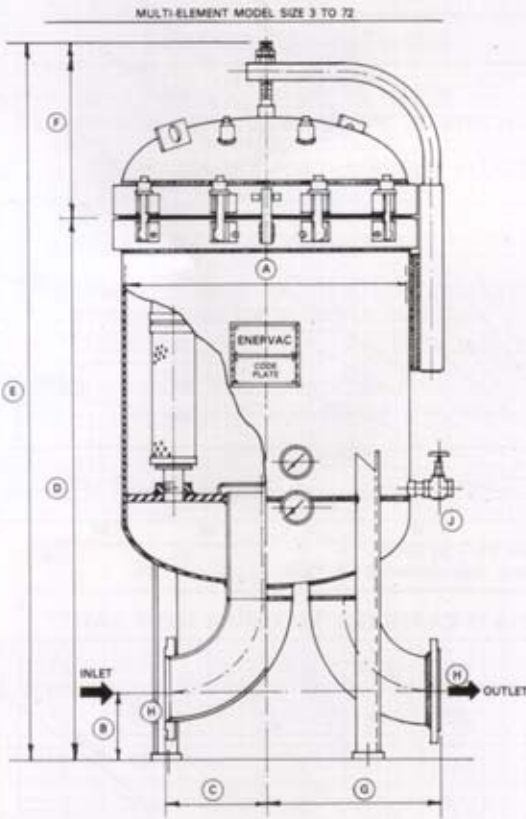


Max. Permissible Flow 25 GPM
Initial Diff. Press. Recommended 1.5 PSID

EP-718-1/2 CARTRIDGE MAXIMUM FLOW RATE



Max. Permissible Flow 20 GPM
Initial Diff. Press. Recommended 2 PSID



Fullers Earth Cartridges



Application

Aviation Kerosene
Fuel Oil
Hydraulic Oils
Engine Lube
Lubricating Oils
Insulating Oil
Quench Oil
Transformer Oils
Vacuum Pump Oil
Straight Mineral Oil

EF-718-0

Description

Elements are absorbent type filter elements containing attapulgas clay "Regular volatile material". Recommended for the removal of soluble contaminants, acids, gums, tars, resins and asphaltenes. Absorption of solid impurities — dirt, sludge, carbon and metal particles are retained within the clay thus leaving the impregnated paper core to polish the liquids and retain any clay migration.

Features

- Lifting Handle — for easy removal.
- Metal End Caps — rolled sealed to outer tube providing a permanent seal.
- Outer Tube — heavy perforated metal surrounding filter medium for complete coverage.
- Bag — Balfour fabric for fullers earth.
- Fullers Earth — 50/80 mesh attapulgas clay. Regular volatile material for removing abrasive solids as well as oxidation products.
- Phenolic Impregnated Paper Tube — approx. ¼" thick, wrapped and cured on metal perforated centre giving maximum protection against migration.
- Centre Tube — perforated metal glued to top and bottom of end caps and rolled sealed preventing dirty oil from entering clean oil chamber.

ENERVAC produces a wide range of specialty products and systems, most of which are based on a high order of technology.

Solving Tomorrow's Problems TODAY

HIGH VACUUM DEGASIFICATION

For upgrading of new and used electrical insulating liquids, transformer oil, polybutenes and silicones — the removal of free and soluble water, free and dissolved air and gases and particulate matter. Mobile and stationary units in sizes to fit every need.

SEAL-OIL PURIFIERS

Seal oil purifiers offer proper treatment and upgrading of compressor sealing oils in a completely enclosed system, removal of free and soluble water, free and dissolved air and gases, light hydrocarbons and particulate matter.

LUBE SYSTEMS

Oil circulating lubrication systems including pumps, tanks, filters, coolers, indicators and other accessory equipment in either packaged or component systems are available.

AIR AND GAS DRYERS AND FILTERS

Enervac dryers and filters are designed for removal of moisture from process air and gases, eliminating condensation and freezeup, moisture corrosion, protecting pneumatic instruments and extending the life of pneumatic tools.

VACUUM DEHYDRATORS

Low vacuum units are available from Enervac Corporation for the continuous maintenance of the original chemical and physical qualities of lubricating, insulating, cooling, hydraulic and synthetic oils.

INDUSTRIAL FILTERS

Industrial filtration equipment utilizing pleated paper, and other media to provide the exact degree of filtration and flow rate for virtually any application.

Representative

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