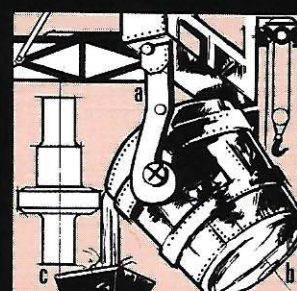
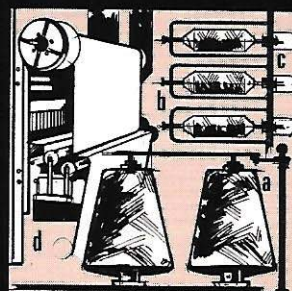
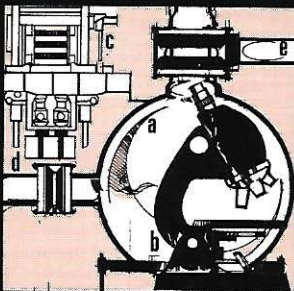
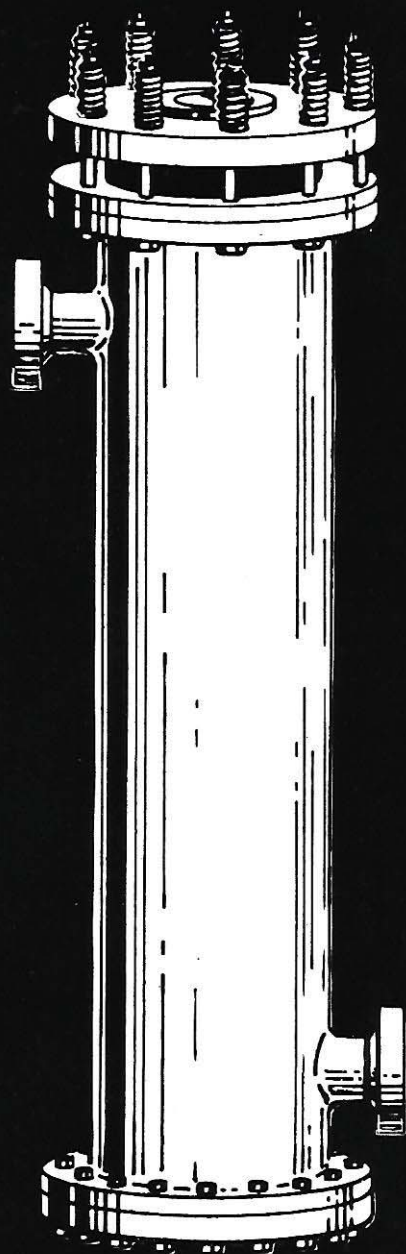


BONITE **POLYBLOC**

IMPERVIOUS GRAPHITE HEAT EXCHANGERS

The Efficient Heat Exchanger



www.serviceprocess.net
Service Process Equipment
3603 Linden Lane
Mobile AL 36608
Cell 251-610-5787 Fax 251-342-1377
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FEATURES

- ASME CONSTRUCTION & STAMP
- RADIAL MULTIPASSING
- AXIAL MULTIPASSING

ADVANTAGES

■ CORROSION RESISTANCE

Corrosive fluids contact only the impervious graphite blocks having complete resistance to all acids, alkalis and solvents with the exception of a few strong oxidizing agents. The "Polybloc" steel shell can be lined with suitable material or furnished in alloy materials to resist practically all corrosives, thereby allowing handling of two corrosive fluids.

■ HIGHEST EFFICIENCY

Ultra short passages, creating great turbulent flow, limit film and scale formation and give maximum heat transfer. Proper graphite particle orientation insures maximum heat conductivity.

■ COMPACTNESS

Identical blocks are stacked in compression, providing a compact unit having high heat exchange area for weight and volume.

■ RUGGED CONSTRUCTION

High strength graphite blocks, held in compression by top and bottom plates and exterior tie rods, provide great strength and ruggedness. There are no fragile tubes and no cemented joints. Teflon seals between the blocks prevent contact between the fluids.

■ HIGH PRESSURE DESIGN

■ FOUR IMPREGNATIONS

■ LARGE PROCESS HOLES AVAILABLE

■ VERSATILITY

Heat exchange area can be easily increased by the simple addition of standard blocks. The segmental shell requires the addition of another segment while the single shell may be cut and rewelded with an additional piece.

■ LOW MAINTENANCE

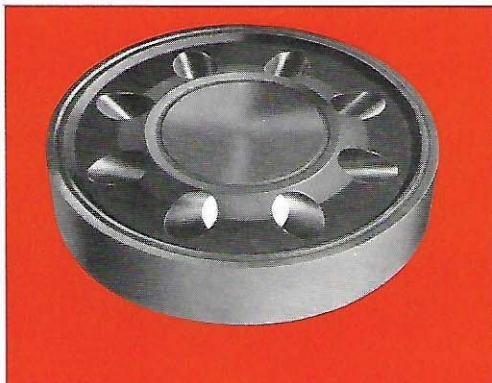
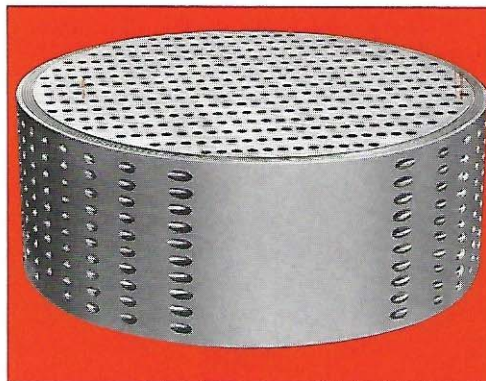
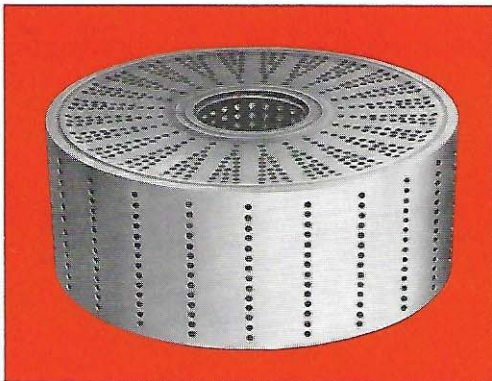
There is no danger of breakage in any part of the "Polybloc." Headers and shell are easily removed for the addition of heat exchange area or for cleaning, if necessary.

■ EASILY INSTALLED

Units may be installed in series, series parallel, or parallel combinations. The units may be suspended from the bolt holes provided, by a framework or any floor structure.

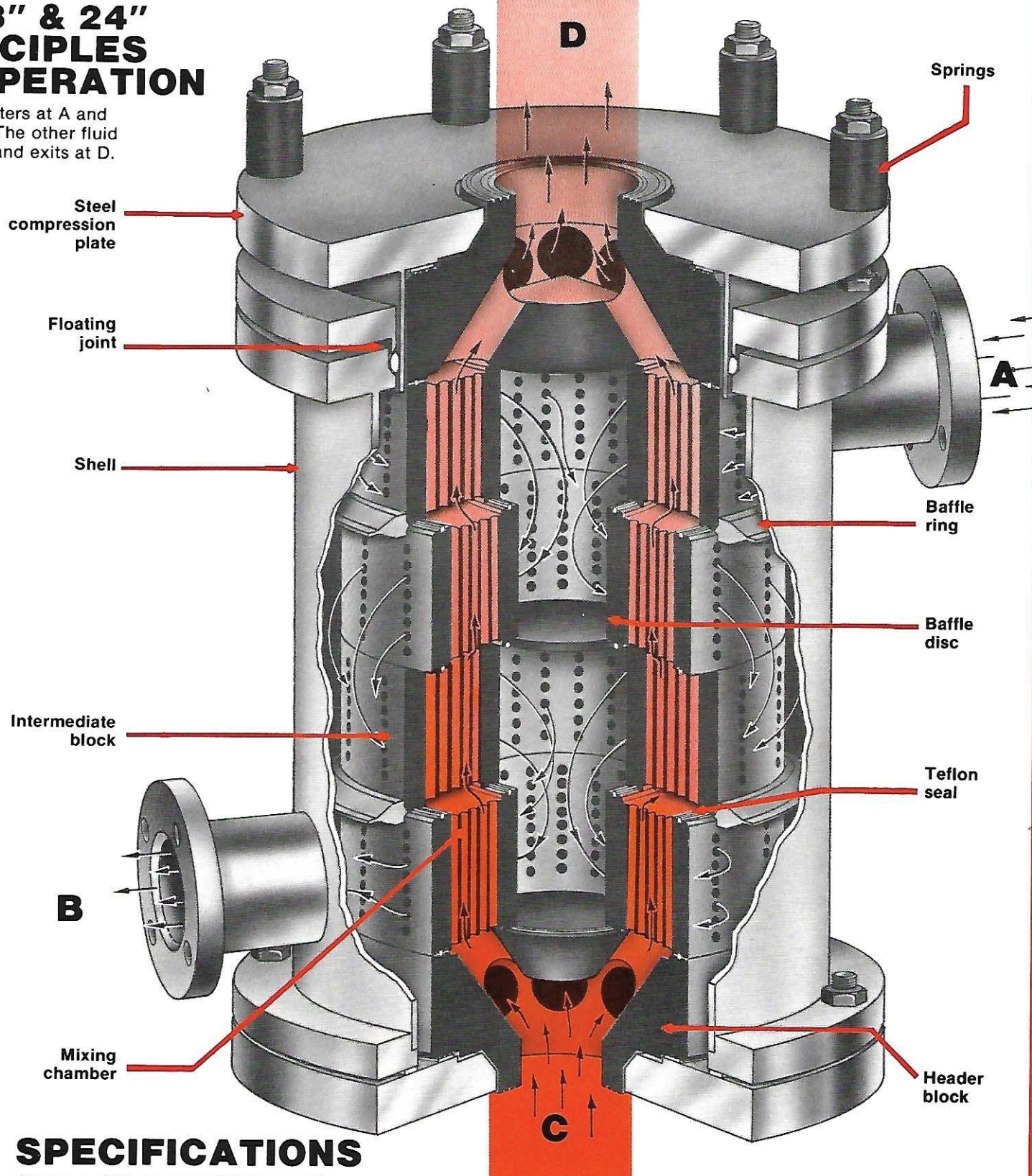
■ ECONOMY

Due to standard interchangeable parts and high efficiency the "Polybloc" is lowest in cost for heat exchange accomplished.



6" 13" & 24" PRINCIPLES OF OPERATION

One fluid enters at A and exits at B. The other fluid enters at C and exits at D.

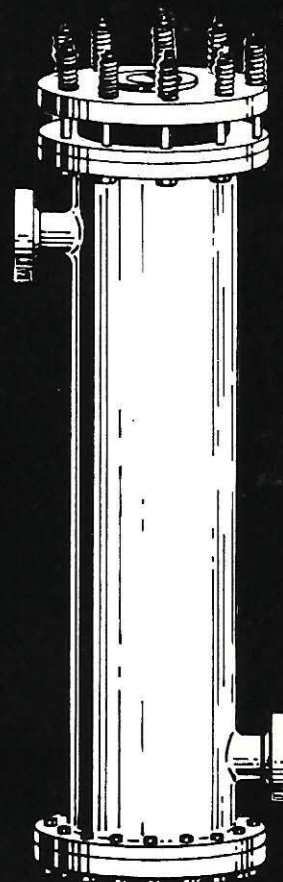


SPECIFICATIONS

SIZE	NUMBER OF BLOCKS	OVERALL LENGTH	HEAT TRANSFER AREA
6	1 - 20	9" to 94"	1.35 to 27 Ft. ²
13	1 - 26	12 3/8" to 116"	6.7 to 174.2 Ft. ²
24	1 - 26	28 3/8" to 266 1/8"	39.7 to 1032.2 Ft. ²
36	1 - 26	44 1/4" to 384 27/32"	101 to 2626 Ft. ²
48	1 - 20	24" to 384"	310 to 6200 Ft. ²
60	1 - 14	34" to 400"	621 to 8700 Ft. ²
72	1 - 14	34" to 400"	868 to 12147 Ft. ²

USE THE "POLYBLOC" HEAT EXCHANGER WHEREVER CORROSIVE FLUIDS OR GASES MUST BE HANDLED

- **HEATING** corrosive fluids with steam, gases or hot fluids.
- **COOLING** corrosive fluids with cold water, brine or other fluids.
- **CONDENSING** vapors, gases - straight or reflux.
- **EVAPORATING** boiling liquids in evaporation or distillation plants, etc.
- **REACTION** including hydrolysis, polymerization or condensation reactions, where heat must be removed or supplied rapidly, during the reaction.



USE IN THE
CHEMICAL
PHARMACEUTICAL

TEXTILE
PAPER
GLASS

STEEL
METAL
CONDITIONING

And many other
industries where cor-
rosive liquids must
be used.

PARTIAL LIST OF USERS

AMERICAN CYANAMID
ARDEN CHEMICAL
BETHLEHEM STEEL
BOEING AIRPLANE
BRUSH BERYLLIUM
BROWN LIPE CHAPIN
CELANESE CORP.
CHEVROLET CORP.
CRUCIBLE STEEL
DECATUR IRON & STEEL
DIAMOND ALKALI
DOW CHEMICAL
DOW CORNING
E.F. DREW
E.I. DU PONT
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