FLANGED BODY TYPE 1/2" - 10" DIAPHRAGM VALVES

DESIGN SPECIFICATION
Thermoplastic Diaphragm Valves 1/2" - 10" shall be molded of solid thermoplastic materials for body and bonnet. Body is of the weir configuration exhibiting large flow area and good flow control capability. Body is designed to fit between ANSI B16.5 class 150 flanges. Stem and sleeve shall be brass or cast iron, fully lubricated. Sizes 3" and larger employ a bonnet grease fitting for ease of lubrication. All valves shall have an adjustable overtravel stop in the close position to prevent overtravel and premature diaphragm failure. Full stroke position indication is enclosed in a clear protective cover. All external fasteners shall be either encapsulated in plastic or of stainless steel materials. Materials of construction shall be: (select as required for service)

BODY
PVC, CPVC, ASTM D-1784, PP, ASTM D-4101, PVDF, ASTM D-3222

BONNET
PVC, CPVC, ASTM D-1784, PP, ASTM D-4101, PVDF, ASTM D-3222
PPO, ASTM D-4101 (Standard)

STEM/SLEEVE
Brass, 1/2" - 2",
C.I., 2 1/2" - 10"

DIAPHRAGM
EPDM, Ethylene Propylene Diene Monomer
Fluorocarbon, Viton (Dupont Dow Elastomers) only avail. for vacuum service.
PTFE/Neoprene, Teflon (Dupont Dow Elastomers)

DIAPHRAGM INSERT STUD
Stainless Steel, Large Diameter

POSITIVE INDICATOR COVER
PC, Polycarbonate, ASTM - D-2848

HANDWHEEL
ABS, ASTM D-1788

NOTE: For any diaphragm application with use of sodium hypochlorite, factory must be informed prior to quote.