SALES & ENGINEERING DATA

PE10P-XXS-XXX-A0S
1" NON-METALLIC DIAPHRAGM PUMP

DIMENSIONAL DATA

SPECIFICATIONS

CONSTRUCTION

Model Series .......... PE10P-XXS-XXX-A0S
Pump Type .......... Non-Metallic, Air Operated,
Double Diaphragm
Ratio ................. 1:1
Material Inlet / Outlet
PE10P-AXS-XXX-A0S (female) .......... 1 - 11-1/2 N.P.T.F. - 1
PE10P-BXS-XXX-A0S (female) .......... Rp 1 - 11 BS
PE10P-EXS-XXX-A0S .......... 1" A.N.S.I. / DIN Flange
PE10P-YXS-XXX-A0S .......... 1" A.N.S.I. / DIN Flange
Air Inlet (female) .......... 1/4 - 18 N.P.T.F. - 1
Air Exhaust (female) .......... 3/4 - 14 N.P.T.
Weight .......... PE10P-AKS-XXX-A0S .......... 25.40 lbs (11.52 kgs)
PE10P-APS-XXX-A0S .......... 18.92 lbs (8.58 kgs)
PE10P-BKS-XXX-A0S .......... 25.40 lbs (11.52 kgs)
PE10P-BPS-XXX-A0S .......... 18.92 lbs (8.58 kgs)
PE10P-FKS-XXX-A0S .......... 26.72 lbs (12.12 kgs)
PE10P-FPS-XXX-A0S .......... 19.44 lbs (8.82 kgs)
PE10P-YKS-XXX-A0S .......... 26.29 lbs (11.93 kgs)
PE10P-YPY-XXX-A0S .......... 19.16 lbs (8.69 kgs)
Air Section Service Kit .......... 637412
Fluid Section Service Kit .......... 637396-XX

PERFORMANCE

Air Inlet Pressure Range .......... 20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Material Inlet Pressure ..... 10 p.s.i. (0.69 bar)
Fluid Pressure Range .......... 20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Flow Rate (floated inlet) ..... 53.0 g.p.m. (200.6 l.p.m.)
Displacement / Cycle @ 100 p.s.i. .......... 0.226 gal. (0.86 ltt.)
Maximum Particle Size .......... 1/8" dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)
E.P.R. / EPDM .......... -60° to 280° F (-51° to 138° C)
Hytrel .......... -20° to 150° F (-29° to 66° C)
Nitrile .......... 10° to 180° F (-12° to 82° C)
Polypropylene .......... 35° to 150° F (2° to 66° C)
P.V.D.F. (Kynar) .......... 10° to 200° F (-12° to 93° C)
Santoprene .......... -40° to 225° F (-40° to 107° C)
PTFE .......... 40° to 225° F (4° to 107° C)
Viton .......... -40° to 350° F (-40° to 177° C)
Noise Level @ 70 p.s.i. - 60 c.p.m. .......... 79.7 db(A)

The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L eq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP 55.1 using four microphone locations.
PERFORMANCE CURVES

PE10P-XXS-XXX-A0S 1” NON-METALLIC DIAPHRAGM PUMP

Performance based on water at ambient temperature.

Total Discharge Head (psi, ft, m)

Capacity in U.S. Gallons Per Minute

Air Consumption in SCFM

NPSH

Flow Rate (liters/min)

Air Consumption in Liters/Sec

NPSH

Performance based on water at ambient temperature.