

Application Case Story

Meldin® HT

APPLICATION:

Diaphragm Pump

MATERIAL:

Meldin® 1357

PART DEFINITION:

Air Valve Poppet/Seal

TECHNICAL DATA:

TYPICAL DIMENSIONS:

.5" OD x .22" ID x .28" Length
(12.7mm x 5.6mm x 7.1mm)

SPEED: 68'/min (0.3m/sec)

200 Strokes Per Minute

COUNTERFACE:

440C Stainless Steel

LUBRICATION OR MEDIA:

Compressed Air

WORKING TEMPERATURE:

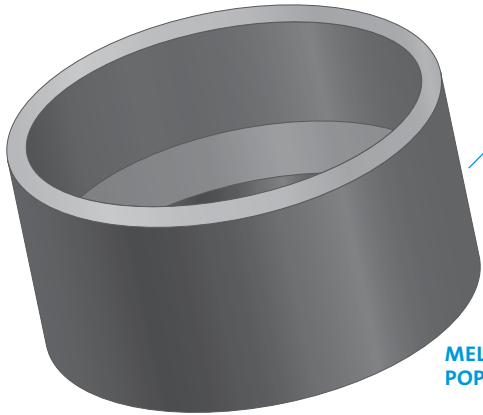
320°F (160°C) Maximum

FEATURES / BENEFITS:

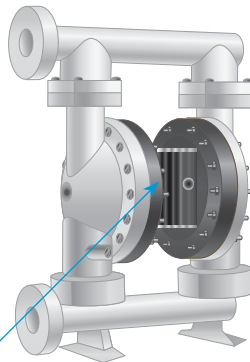
This valve poppet/seal component for a diaphragm pump air valve undergoes repeated rapid impact.

Meldin® 1357 has demonstrated good impact resistance and sealing performance under these conditions.

Meldin® 1357 has a low coefficient of friction which promotes a longer life for the 440C stainless steel mating surface. Galling or scratching of the mating surface would cause poor sealing. **Meldin® 1357** shows better sealing and durability performance than a metallic counterpart.



MELDIN® 1357
POPPET/SEAL



DIAPHRAGM PUMP

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ACS-454-PDF-0905-SGCS

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