Hydraulic Driven Multimedia Intensifier

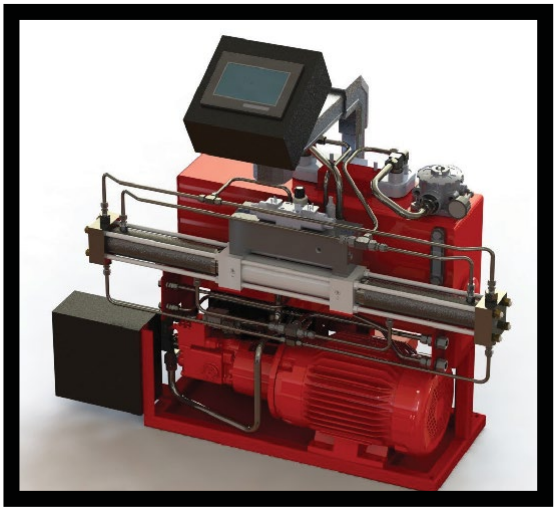
Maxpro® **HYDRAULIC DRIVEN, MULTIMEDIA INTENSIFIERS** are a great way to increase the pressure of liquids or gases when compressed air is not available or is not the preferred power source. Maxpro® hydraulic intensifiers are both energy efficient and 100% duty rated. Dial in the intensifier for unmatched process control through the user-friendly touch screen interface.

Is this machine part of a larger system? No problem, Maxpro® intensifiers are prewired to integrate with your existing process controls.

Maxpro® intensifiers are fully capable of operating as a standalone piece of equipment complete with automated process controls and diagnostics for worry free operation. Maxpro® intensifiers come completely assembled, tested and ready to contribute to your productivity.

OVERVIEW

- 7.5 HP multimedia intensifier suitable for liquids and inert gases
- 5,000 psig maximum operating pressure
- 7 inch touch screen for process optimization and real time digital read out
- Variable outlet flow from 0-100% (Maximum flow rates are application specific)
- 100% duty rated
- Oil free non-lubricated pistons
- Liquid cooled hydraulics and high pressure barrels
- Simple design for ease of operation and maintenance



PROCESS DETAILS

- Single stage double acting intensifier
- 33 in^3 process displacement per cycle
- 15 cycles per minute maximum
- 5,000 psig maximum discharge
- 0 to 5,000 psig inlet pressure range (300 psi minimum for gas)
- Hydraulic to process pressure ratio of 1:2
  Maximum gas compression ratio 1:15
- Stainless steel construction on components contacting process media
- Process Gases: Argon, Helium, Nitrogen, CO2 and Dry Air
- Process Liquids: soluble oil and water, oil and water

CONNECTION DETAILS

- ¼" FNPT media inlet and outlet connections
- ½" FNPT liquid coolant inlet and outlet connections
- 230/460 3Ø 60 Hz nominal voltage (additional power options available)
- 24 VDC isolated controls for machine integration

APPLICATIONS

- Gas Foaming of Polystyrene
- Gas Cylinder Filling
- Supercritical Extraction & Cleaning
- Gas Assisted Injection Molding
- Gas Supply to Sintering Furnace
- Burst Testing
- Gas Tube Trailer & Cylinder Scavenging
- Gas Vapor Reclaim from Cryogenic Storage
- Supply gas to Hot Isostatic Pressing (HIP)
- Cold Isostatic Pressing (CIP) of powdered metals and ceramics
- Hydrostatic pressure testing

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