

ShearJet® HP 1200PH Series

ELECTRIC HYDRAULIC HIGH SHEAR HOMOGENIZER FOR PHARMACEUTICAL APPLICATIONS

PILOT/PRODUCTION SCALE PROCESSING



Your Partner For High Pressure Homogenizers



The ShearJet HP-1200PH Series electric hydraulic processor runs sample sizes starting at 250 in distinct passes or continuous runs. This processor is specifically designed to meet the exacting requirements of the pharmaceutical industry, including EP & passivated product paths, and CIP piping. Minimized dead volume leads to reduced waste. By decreasing high pressure piping connections, leakage possibilities are reduced as well. The backlit panel displays relevant processing information in real time.

PERFORMANCE:

- Our Diamond Reaction Chamber® with our specially designed micro channels achieve consistent, uniform, repeatable results
- Product yield up to 99%
- Greater wear resistance

EASY-TO-CLEAN:

- Low dead volume allows cleaning in minutes
- Multiple samples may be processed in a short time span

ECONOMY:

- Save on raw material costs due to low dead volume
- Process samples in minutes not hours
- Low maintenance cost due to superior system design
- Minimal seals and connections

www.dyhydromatics.com

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All descriptions and technical data subject to change.



| Shear Jet | HP1200-10PH | HP1200-20PH | HP1200-30PH |
|-------------------------|-------------|-------------|-------------|
| Minimum sample size* mL | 950 | 900 | 750 |
| Pressure Kpsi | 3-10 | 3-20 | 3-29 |
| Pressure bar | 690 | 1379 | 2000 |
| Flow rate** L/min | up to 2.5 | up to 1.5 | up to 1.0 |

*Based on Premium model, and dependant on options selection • **Dependant on Reaction Chamber selection

SPECIFICATIONS

Power: Electric hydraulic 400/460VAC 3PH 50/60Hz @10A [200/230VAC 3PH 50/60Hz @20A Optional]

Dimensions: 25.6" x 35.4" x 44.3" (650 x 900 x 1126 mm)

Operating time: System can run from seconds to continuous

FEATURES

| Features for Pharmaceutical HP1200PH | Standard Model | Premium Model |
|---|----------------|---------------|
| Sanitary feed pump, side mounted | | 💧 |
| 2 liter reservoir | 💧 | |
| Ceramic plunger | 💧 | 💧 |
| CIP bypass for heat exchanger | | 💧 |
| Flush diaphragm transducer with standalone display | 💧 | 💧 |
| Data Recorder | | 💧 |
| Reaction Chamber and Back Pressure Reaction Chamber (Diamond) | 💧 | 💧 |
| 2 Thermocouples | 💧 | |
| 3 RTDs | | 💧 |
| Product heat exchanger (tube and shell) | 💧 | 💧 |
| Product heat exchanger (tube and shell, drainable) | | 💧 |
| Product path EP & passivated | 💧 | 💧 |
| Tools & Spares | 💧 | 💧 |
| FAT/SAT | 💧 | 💧 |
| IQ/OQ | option | 💧 |

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