HIGH SHEAR HOMOGENIZER

For R&D/Pre-Pilot Scale Processing

New!

HMI

- Easier to use
- Data logging
- Access levels
- Larger screen

Enclosure

- Enclosed piping for in-process viewing and operator safety
- Small footprint and casters for mobility



The ShearJet HP350 V2 series electric-hydraulic processor operates with a single multiplier pump which processes 80 mL sample sizes and high flow rates in distinct passes or continuous runs. This ability makes the HP350 V2 model a viable option for R&D and pre-pilot scale applications. It is easily portable between lab suites because no utility air is required and its small foot print includes wheels.

Performance:

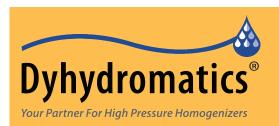
- Our diamond Reaction Chamber® module with our specially designed micro channels achieve consistent, uniform, repeatable results
- Long chamber life
- Integrated HMI with multi-level user interface allows the operator to monitor and program pressure, product temperature, volume processed, process duration, and alarms
- Quiet operation (under 70 decibles)
- · Data acquisition via USB or Ethernet

Easy-to-clean:

- · Low dead volume allows cleaning in minutes
- Multiple samples may be processed in a short time span
- Quick disconnects for hydraulic cooling and drip pan drain.

Economy:

- Save on raw material costs due to low dead volume
- Process samples in minutes
- · Low maintenance cost
- Minimal seals and connections



Q904-0024-R07 5/13/24 All descriptions and technical data subject to change.

Specifications

Shear Jet	HP350-30 V2 [†]		
		Power:	Electric-hydraulic 5 HP, 60 Hz, 230/460 VAC,
Sample Size* mL	80		12.4/6.2 Amps; (50 Hz, 190/380 VAC, 15.2/7.6 Amps
			on request)
Pressure Kpsi (max.)	30		
Pressure bar (max.)	2068	Dimensions (WxDxH):	38.5 x 32.8 x 62.8
Flow Rate** mL/min	300-450	Operating time:	System can run from seconds to hours

^{*}Dependant on options selection

Features

Features for HP350 V2	Standard	Pharma Standard	Pharma Premium
1 liter stainless steel reservoir	۵	&	۵
Ceramic plunger	۵	&	۵
Feed pump			۵
Reaction Chamber module and Back Pressure Reaction Chamber module (Diamond)		&	۵
2 RTDs		&	۵
Product heat exchanger (tube and shell)		&	
Product heat exchanger (tube and shell drainable)			۵
Flush diaphragm inline process pressure transducer		&	۵
Electropolished & Passivation		&	۵
UPS Class VI plastics and elastomers with certifications		&	۵
CIP bypass for heat exchanger			۵
Data recording enabling easy 21 CFR Part 11 compliance		option	۵
Touchscreen HMI with advanced features		۵	۵
Tools & Spares		۵	۵
FAT/SAT	۵	۵	۵
IQ/OQ	option	۵	۵
2 or 3 Liter reservoir	option	option	option

Dyhydromatics Corporate Headquarters

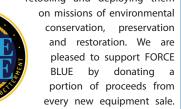
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^{**}Dependant on Reaction Chamber module selection

[†] Based on Standard model