

- Flow rates up to 2,451 gph
- Pressure up to 15,000 psi

Options

- Diaphragm pumpheads with hydraulically actuated double diaphragm and patented diaphragm position control system (PDPC)

Combinable with all gear sizes of
Bran+Luebbe's horizontal NOVADOS range

NOVADOS H6 Metering Pumps



General Specifications

Materials of construction of liquid-wetted parts

- Housing of stainless steel, 316 or duplex, alternatively, PVC or PP.
- Diaphragms of PTFE or stainless steel 1.4310.
- Plungers of stainless steel, ceramic or tungsten carbide.
- Options: Materials such as Super Duplex, Hastelloy, Titanium, Halar® coating or PVDF, and others available.

Pump Gear Design

- Worm gear with nine different reduction ratios.
- Integral housing utilizing modern seal technology.
- Splash lubricated gear components.
- Large oil sump.
- No external oil pump.
- Suitable for variable speed.

Stroke Length Adjustment

- Eccentric (Z-shape) variable crankshaft.

Flow Rate Control

- Manually, electrically, or pneumatically during operation and standstill.

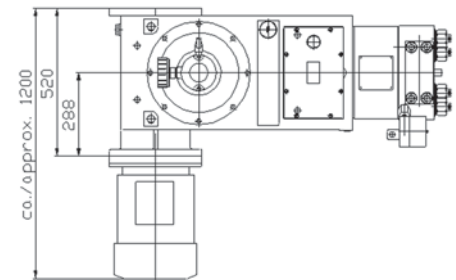
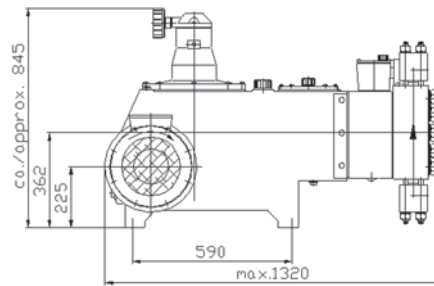
Driver

- 2- or 4-pole electric motor with fixed or variable speed.

Applicable Standards

- VDMA 24284 and 24286-10.
- API 675 2nd edition.
- Machinery Directive 98/37/EC.

Weight, according to equipment (without motor) approx. 1,130 - 1,500 lbs.



Flow Rate and Pressure for Single Pump

Pumphead Type

Diaphragm

Plunger

Material of displacement body	PTFE	St. Steel	TC, Ceramic or St. Steel
Housing Material	St. Steel / Plastic	St. Steel	St. Steel or Plastic
Flow rate at 210 spm	Max. Operating Pressure		Nozzle Size
gph	Plunger Size ø mm	psig	
0... 123	28	-	1/2"
0... 160	32	5,800	1/2"
0... 251	40	3,700	1"
0... 318	45	2,915	1"
0... 392	50	2,364	1"
0... 492	56	1,886	1"
0... 622	63	1,494	1-1/2"
0... 768	70	1,204	1-1/2"
0... 1,004	80	928	1-1/2"
0... 1,569	100	595	1-1/2"
0... 1,898	110	493	2"
0... 2,451	125	377	2"

1) Max. operating pressure of actual pumps may deviate from figures stated. Pumps with housing material of plastic are generally limited to max. 150 psig operating pressure.

- Flow rates at 100% volumetric efficiency. Please allow for transmission losses.
- Metering accuracy: as good as $\pm 0.5\%$ of flow rate set point.
- Selectable stroking speeds: 60, 76, 86, 102, 153, 187, 210, 229 spm (min^{-1}).

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit our web site.

Web Site: www.spxprocessequipment.com • E-Mail: bl@processequipment.spx.com

SPX Process Equipment

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SPX Process Equipment reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Certified drawings are available upon request.

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