

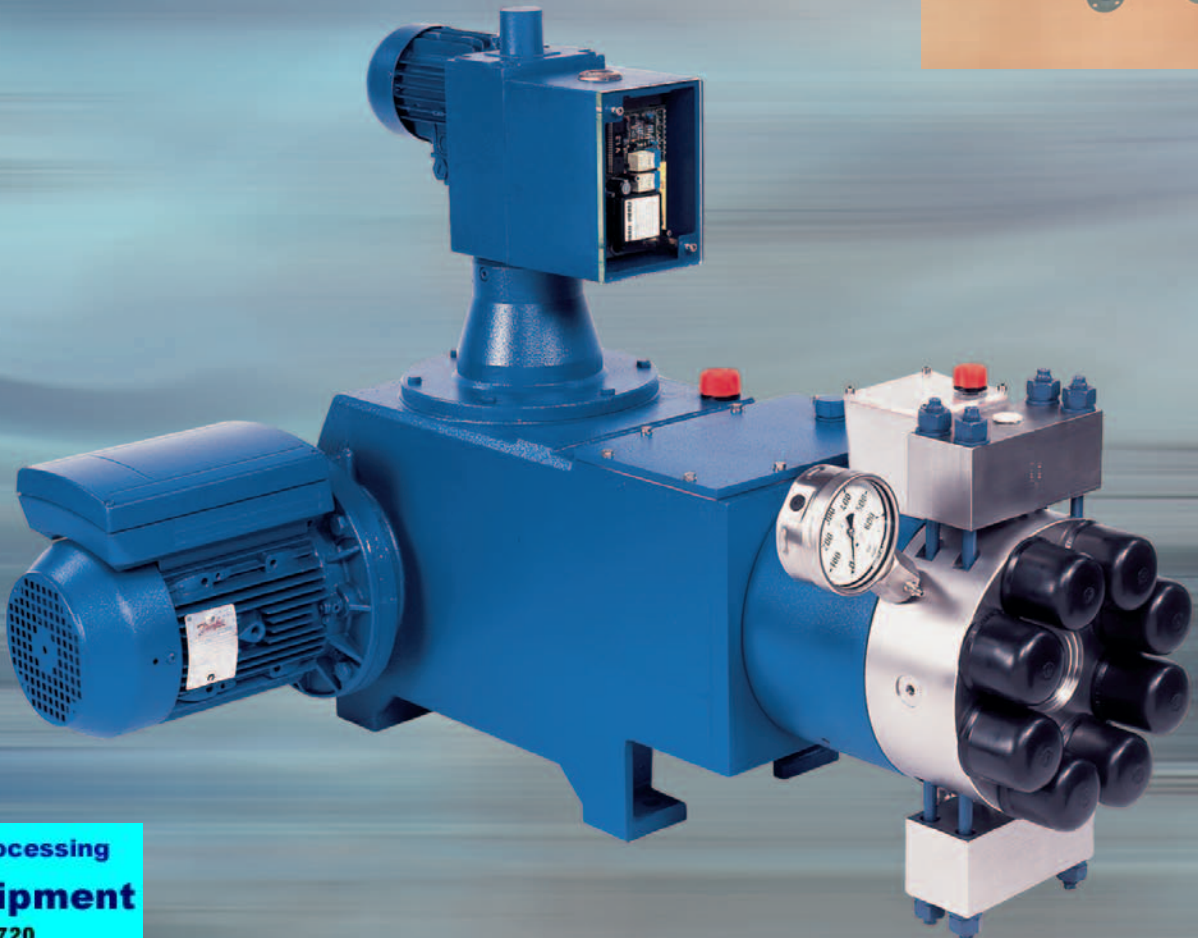
- Flow rates up to 2,381 gph
- Pressure up to 10,150 psi

Options

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

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

NOVADOS H4 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 five 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.
- 98/37/EC (Machinery Directive).

Weight, according to equipment (without motor) approx. 500 - 800 lbs.

Flow Rate and Pressure for Single Pump

Pumphead Type		Diaphragm		Plunger		
Material of displacement body		PTFE		TC, Ceramic or St. Steel		
Housing Material		St. Steel / Plastic		St. Steel		
Flow rate at 204 spm	Plunger Size	Max. Operating Pressure				Nozzle Size
gph	ø mm	psig				
0... 9.7	8	-	-	7,250	1/2"	
0... 15.2	10	-	-	7,250	1/2"	
0... 21.9	12	5,800	10,150	7,250	1/2"	
0... 39.0	16	5,076	-	5,800	1/2"	
0... 61.0	20	3,700	3,700	3,700	1/2"	
0... 95.2	25	2,365	-	2,365	1/2"	
0... 137	30	1,640	1,640	1,640	1/2"	
0... 197	36	1,145	-	1,145	1/2"	
0... 269	42	841	841	841	1/2"	
0... 381	50	595	-	595	1"	
0... 478	56	464	-	464	1"	
0... 585	62	392	-	392	1 or 1-1/2"	
0... 604	63	377	-	377	1 or 1-1/2"	
0... 704	68	320	-	320	1 or 1-1/2"	
0... 857	75	261	-	261	1 or 1-1/2"	
0... 1,024	82	220	-	220	1-1/2"	
0... 1,234	90	190	-	190	1-1/2"	
0... 1,524	100	145	-	145	1-1/2"	
0... 1,844	110	116	-	116	1-1/2"	
0... 2,381	125	102	-	102	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 ±0.5% of flow rate set point.
- Selectable stroking speeds: 60, 76, 86, 102, 120, 152, 172, 204 spm (min⁻¹).

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

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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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