

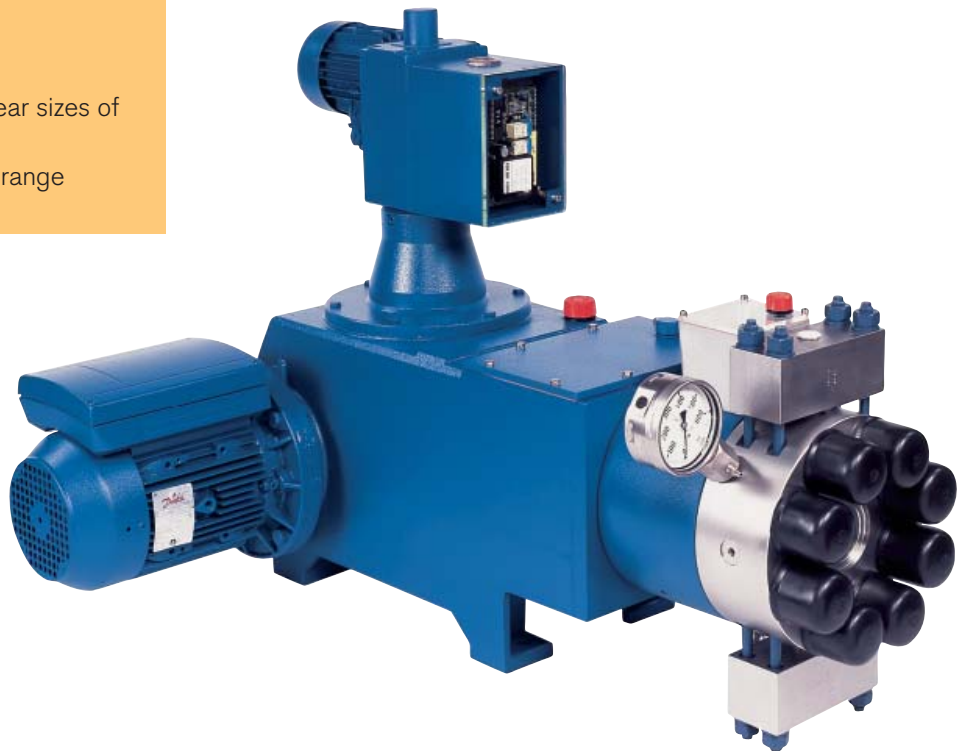


NOVADOS H4 Metering Pumps

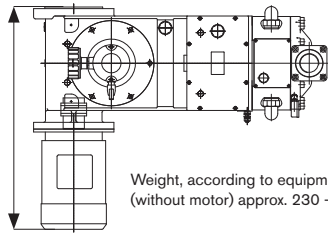
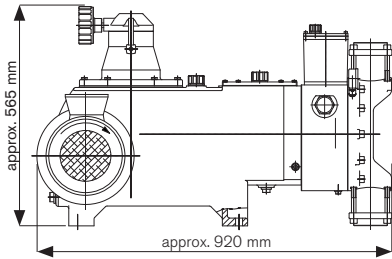
Options

- 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

- Flow rates up to 17064 l/h
- Pressure up to 700 bar



General specification



Weight, according to equipment (without motor) approx. 230 - 360kg

Materials of construction of liquid-wetted parts

- Housings of St. Steel 1.4571, 1.4581 or 1.4462, alternatively, PVC or PP
- Diaphragms of PTFE or stainless steel 1.4310
- Plungers of stainless steel or ceramic
- Options: materials such as Super Duplex, Hastelloy, Titanium, Halar® coating or PVDF and other materials

Pump gear design

- Worm gear with a variety of 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) 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

- API 675 2nd edition

CE-Marking

- 98/37/EC (Machinery Directive)
- 94/9/EC (ATEX) up to category 2

Flow Rate and Pressure for Single Pump

Pumphead type	Diaphragm		Plunger
Material of displacement body	PTFE	St. Steel	Ceramic or St. Steel
Housing material	St.Steel/Plastic	St. Steel	St. Steel or Plastic
Flow rate at 200 min ⁻¹	max. operating pressure (nominal)		
l/h	bar ¹⁾		
0... 56,4	-	-	500
0... 81,3	-	-	500
0... 145	400	700	400
0... 226	250	250	250
0... 353	160	-	160
0... 509	-	110	113
0... 579	100	-	-
0... 733	80	-	80
0... 905	63	-	-
0... 997	-	58	58
0... 1414	40	-	40
0... 1773	32	-	32
0... 2174	-	-	27
0... 2244	25	25	-
0... 2615	-	22	22
0... 3181	-	-	18
0... 3619	16	-	-
0... 3802	-	-	15
0... 4580	-	-	13
0... 5542 ²⁾	10	-	10
0... 6729 ²⁾	-	-	8
0... 8723 ²⁾	-	-	7
0... 12469 ²⁾	-	-	5
0... 17064 ²⁾	-	-	3

1) Max. operating pressure of actual pumps may deviate from figures stated. Pumps with housing material plastic are generally limited to max. 10 bar operating pressure

2) Piston (double-acting) pumpheads at 100 min⁻¹.

- Flow rates at 100% volumetric efficiency. Please allow for transmission losses. The figures stated serve as guideline only.
- Metering accuracy: as good as ±0.5% of flow rate set
- Selectable stroking speeds (50 Hz): 50, 63, 72, 85, 100, 127, 144, 170, 200 min⁻¹. Different stroking speeds for 60 Hz driver.

We reserve the right for technical changes without notice.

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For more information about our worldwide locations, approvals, certifications, and local representatives, please visit www.spxpe.com.

SPX Corporation 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.

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