



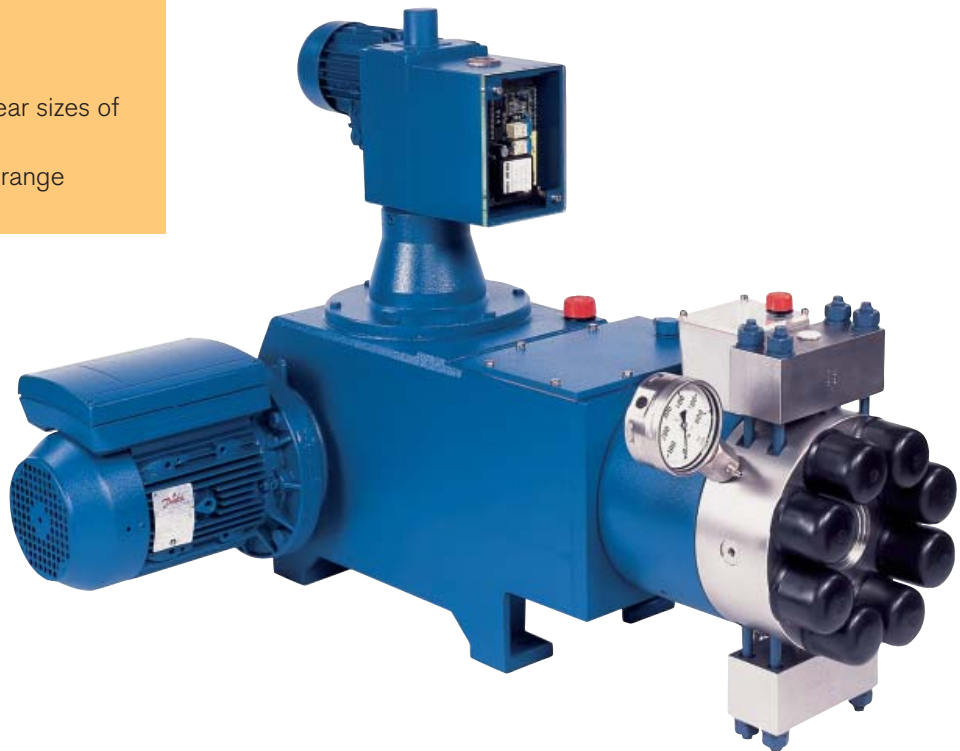
NOVADOS H4

Metering Pumps

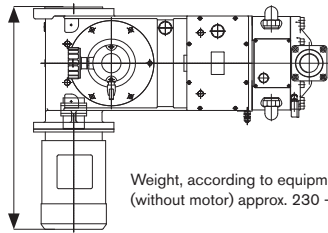
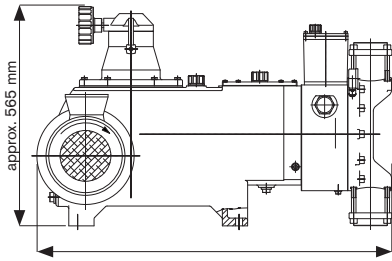
Options

- 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	PFTE	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.

motralec

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