

2002 Bran Luebbe Metering Pump

Mfg: Bran Luebbe

Model: N-P31

Stock No. QCAI485.1

Serial No. 9147926

2002 Bran Luebbe Metering Pump.

- Model N-P31.
- S/N 9147926.
- Job No. 51125284.1000.
- Inlet (2) 1/2 in., (1) 2-1/2 in., (1) 3-1/2 in. flench.
- Overall dimensions are 9 in. W, 15 in. L, 11 in. H.



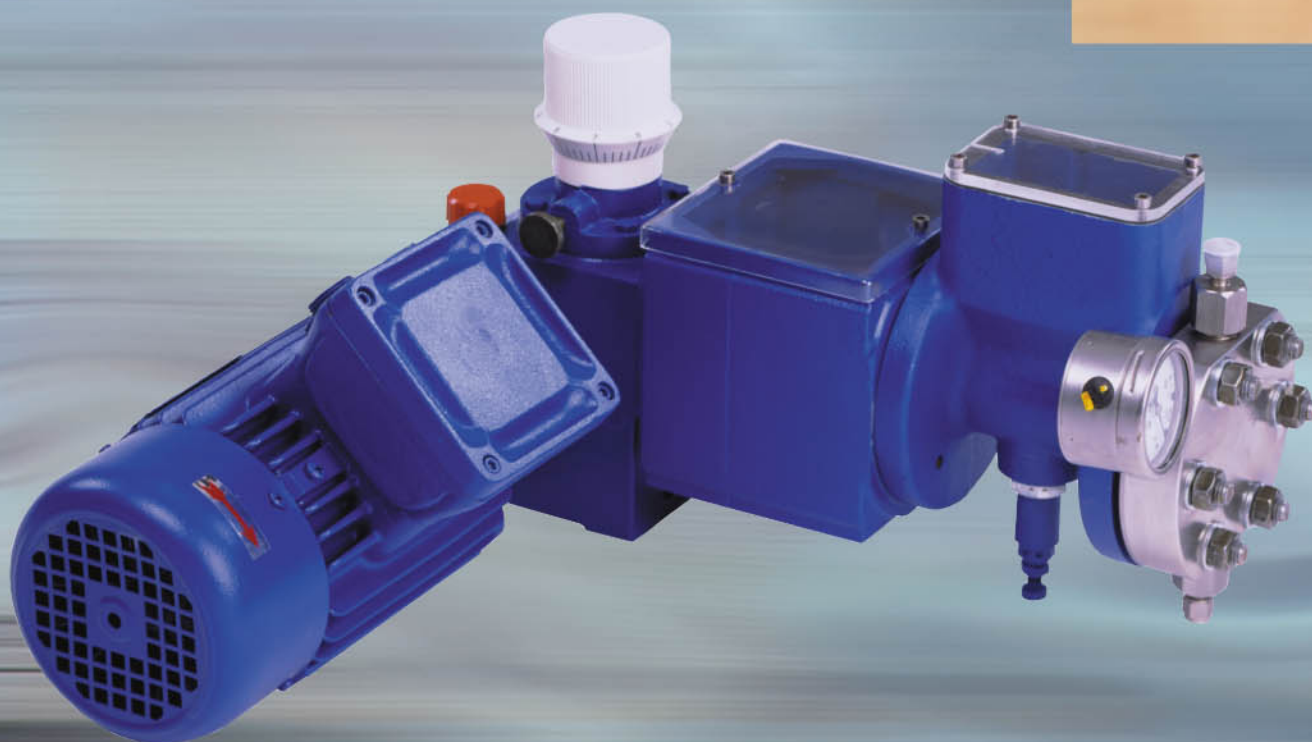
- Flow rates up to 190 gph
- Pressure up to 7,250 psi

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 P Metering Pumps



General specification

Materials of construction of liquid-wetted parts

- Housings of St. 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
- 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

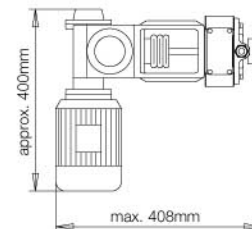
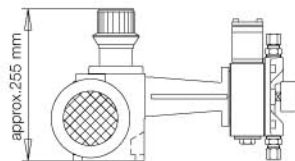
- 2- or 4-pole electric motor with fixed or variable speed

Applicable Standards

- VDMA 24284 and 24286-10
- API 675 2nd edition

CE-Marking

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



Weight, according to equipment (without motor) approx. 42-235 lbs.

Flow Rate and Pressure for Single Pump

Pumphead type		Diaphragm		Plunger	
Material of displacement body		PTFE		St. Steel	
Housing material		St. Steel / Plastic		St. Steel	
Flow rate at 204 spm		Max. Operating Pressure		Nozzle Size	
gph		psig			
0... 0.45	Plunger Size Ø mm				
0... 1.24	3	-	-	7,250	1/2"
0... 3.19	5	1,500	7,250	7,250	1/2"
0... 7.17	8	3,625	4,322	4,322	1/2"
0... 19.91	12	1,930	1,930	1,930	1/2"
0... 44.8	20	696	696	696	1/2"
0... 87.8	30	305	305	305	1/2"
0... 124.5	42	159	159	159	1/2"
0... 156.1	50	116	-	116	1"
0... 191.3	56	87	-	87	1"
	62	73	-	73	1"

- 1) Max. operating pressure of actual pumps may deviate from figures stated. Pumps with housing material plastic are generally limited to max. 150 psig operating pressure.
- Flow rates at 98% volumetric efficiency. Please allow for transmission losses.
 - Metering accuracy: as good as $\pm 0.5\%$ of flow rate set point.
 - Selectable stroking speeds (60 Hz): 40, 60, 86, 102, 120, 153, 172, 204 spm (min^{-1}).

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