



Beun - De Ronde
Analyse & Chemie

PUMP OPTIONS FOR ALL YOUR APPLICATIONS



D-Series Syringe Pumps

When reliability & accuracy are critical

- Flow and pressure control throughout a broad operating range
- No pulsation of flow anomalies typically associated with other pump types

They can handle a wide variety of fluids including:

- Aqueous and organic liquids
- Corrosive solutions
- Heated fluids
- Liquefied gases
- Viscous fluids
- Slurries and pastes
- All can be metered with great accuracy



30D Pump



Four Pump System

Pump Modules	1000D	500D	260D	100DX	65DM	65D	30D
Capacity	1015 mL	507 mL	266 mL	103 mL	68 mL	68 mL	30 mL
Flow Range* (mL/min)	0.001–408	0.001–204	0.001–107	0.00001–50	0.00001–25	0.00001–25	0.00001–22
Flow Accuracy**	0.5% of Setpoint			0.3% of Setpoint			0.5%
Pressure Range (psi) (bar)	10–2,000 0.7–137.9	10–3,750 0.7–258.6	10–7,500 0.7–517.1	10–10,000 0.7–689.5	10–10,000 0.7–689	10–20,000 0.7–1379	30–30,000 0.7–2068.4
Standard Pressure Accuracy	0.5% FS					0.1% FS	0.2% FS
Standard Plumbing Ports	1/4" NPT	1/8" NPT	1/8" Valco®			1/4" F250C	
Power	100 Vac, 117 Vac, 234 Vac, 50/60 Hz						
Dimensions H x W x D	40.3 x 10.7 x 18.4 in 102 x 27 x 47 cm		39.8 x 10.7 x 18.4 in 101 x 27 x 47 cm		40.6 x 10.7 x 18.4 in 103 x 27 x 47 cm	39.8 x 10.7 x 18.4 in 101 x 27 x 47 cm	39.4 x 10.7 x 18.4 in 100 x 27 x 47 cm
Continuous Flow Range* (mL/min)	0.001–265	0.001–132	0.001–70	0.00001–32	0.00001–16	0.00001–16	0.00001–14
External Interfacing	RS-232, analog voltage inputs, digital contact closure for RUN/STOP, REFILL/DELIVER 4–20 mA In/Out, and analog voltage output options available RS485, USB, Ethernet						

D-Series custom Syringe Pumps

Pumps made to meet your special situation

- Can be customized to handle special flow rates, pressures, port sizes and software
- Customized pump options include pressure transducers and large-bore valve packages (air or electric)

Available variations:

- Higher viscosity materials (HV-500)
- Higher pressure needs that are above the standard pressure range (HP-260, 500, 65)
- Shorter pumps when space is a constraint (SP-500)
- Pumping emulsions with continuous mixing



Short Pump
SP-500



SP-500 Short Pump -
Dual Pump system

ReaXus Series

Reciprocating Pumps

Flow Range (ML/MIN)	Flow Accuracy	Pressure Limit (PSI)	Stroke Volume (UL)
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SINGLE HEAD



M1 CLASS

3 MODELS
Material options:
Stainless Steel

0.0–10.0	2%	2,000	25.1
0.0–40.0	5%	500	100.5
0.0–100.0	5%	250	226.2



MX CLASS

3 MODELS
Material options:
Stainless Steel

0.0–10.0	2%	5,000	25.1
0.0–40.0	5%	900	100.5
0.0–200.0	5%	200	339.4



LS CLASS

20 MODELS
Material options:
Stainless Steel,
Hastelloy

0.0–10.0	2%	6,000	50.3
0.0–40.0	2%	1,600	201.1
0.0–100.0	4%	600	452.5
0.0–10.0	2%	6,000	50.3
0.0–40.0	2%	1,600	201.1

DUAL HEAD



LD CLASS

24 MODELS
Material options:
Stainless Steel,
Hastelloy

0.0–12.0	2%	10,000	30.0
0.0–36.0	2%	6,000	62.7
0.0–100.0	2%	1,000	251.0



PR CLASS

2 MODELS
Material options:
Stainless Steel

0.0–100.0	3%	4,000	251.0
0.0–300.0	4%	1,000	564.7

With Temp Jacket	Constant Flow/Pressure	Pressure Monitoring	RS232 Control	Remote Run/stop	Analog input (0-10V; 4-20MA)	Drip Tray And sensor	Dimensions Weight
No	Flow						14 x 7.6 x 14.7 cm
No	Flow	No	Yes	Yes	No	No	1,6 kg
No	Flow						
No	Flow						
No	Flow	Yes	Yes	Yes	Yes	Yes	16.5 x 17.8 x 40.6 cm
No	Flow						6.9 kg
No	Flow						
No	Flow/Pressure						16.5 x 17.8 x 40.6 cm
No	Flow/Pressure						6.9 kg
No	Flow/Pressure	Yes	Yes	Yes	Yes	Yes	
Yes	Flow/Pressure						
Yes	Flow/Pressure						
Yes/No	Flow/Pressure						16 x 25.4 x 43.2 cm
Yes/No	Flow/Pressure	Yes	Yes	Yes	Yes	Yes	13,6 kg
Yes/No	Flow/Pressure						
Yes	Flow						
Yes	Flow	Yes	Yes	Yes	Yes	Yes	16 x 25.4 x 43.2 cm
							13.6 kg

YOU MIGHT WANT TO KNOW MORE.

In that case, don't hesitate to contact us to make an appointment for a meeting, a product presentation, or any other question.



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