

CEREX METERING PUMP TYPE D

For a quick and affordable flow control solution that delivers on quality and reliability, the Bran+Luebbe CEREX D metering pump is an ideal choice. Its double diaphragm design, combined with built-in failure detection, delivers superior leak prevention performance compared to single diaphragm pumps with a similar price point. In addition, the CEREX D metering pump is constructed from standard, proven components held in stock - minimizing build time without compromising on quality.

Performance data

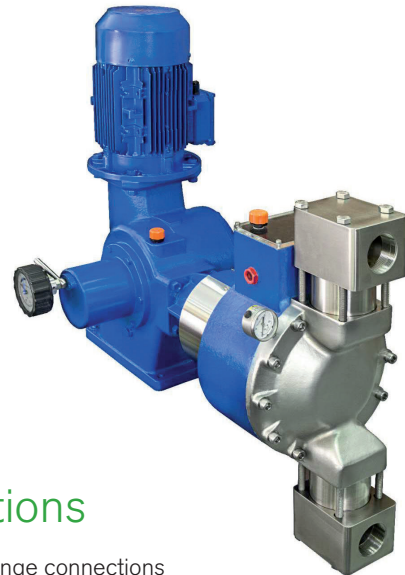
Flow rate:	between approx 30 and 6,000 l/h
Pressure:	max 250 bar (3625 psi)
Fluid viscosity:	max 1,000 cP
Fluid temperatures:	-10 to +93 °C for metallic housing -10 to +50 °C for plastic housing
Ambient temperatures:	-10 to +50 °C
Motor:	1.5 to 5.5 kW, depending on load frame size from 90 up to 132 voltage as per local requirements

Applications

- Industrial water and waste water treatment
- Boiler feed water treatment
- Chemicals dosing
- Oil & Gas additives dosing

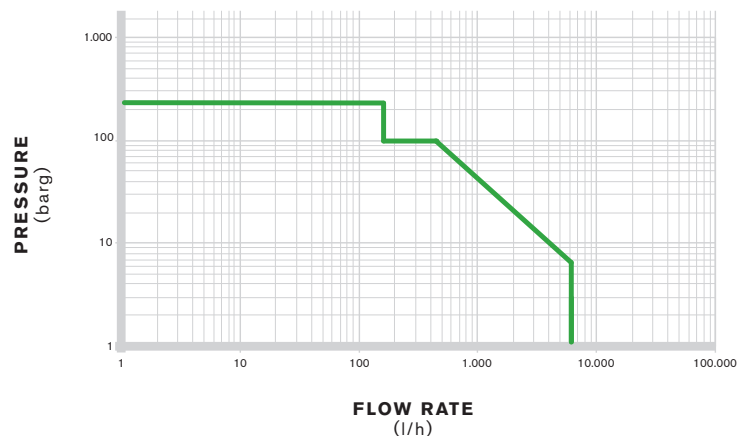
Standard Features

- API 675 compliance
- Hydraulically actuated double PTFE diaphragm
- Diaphragm condition monitoring with pressure gauge
- Check valves double ball or cone depending on pump size
- Connections: NPT (metallic) or flange (plastic)
- Liquid-wetted material available as 316L type or plastic
- Manual linear stroke adjustment from 0 to 100%
- Motor suiting safe area
- Standard paint system



Options

- Flange connections
- Motor suiting hazardous area
- Variable speed motors for turndown 1:5
- Electronic stroke adjustment



CAPACITY TABLE 50 HZ

Stroking Speed	Max Pressure	Plunger Diameter	Flow Rate at 6 barg	Flow Rate at 13 barg	Flow Rate at 21 barg	Flow Rate at 42 barg	Flow Rate at 103 barg	Flow Rate at 250 barg
spm	barg	(mm)	l/h					
50	250	20					50	44
72		20					72	64
100		20					100	89
144		20					144	127
200		20					200	177
50	103	30			117	115	108	
72		30			169	165	156	
100		30			234	229	216	
144		30			337	330	311	
200		30			468	458	433	
50	42	50		332	325	318		
72		50		478	468	458		
100		50		664	650	636		
144		50		957	936	916		
200		50		1,329	1,301	1,272		
50	21	68	621	614	601			
72		68	894	885	866			
100		68	1,242	1,229	1,203			
144		68	1,789	1,770	1,732			
200		68	2,484	2,458	2,406			
50	13	90	1,088	1,076				
72		90	1,567	1,550				
100		90	2,176	2,153				
144		90	3,133	3,100				
200		90	4,351	4,306				
50	6	125	2,098					
72		125	3,022					
100		125	4,197					
144		125	6,044					

Pumps with plastic wet end are available for certain flow rates only, these are highlighted. Please note that plastic pumps are generally limited to max 10 barg operating pressure.

CAPACITY TABLE 60 HZ

Stroking Speed	Max Pressure	Plunger Diameter	Flow Rate at 6 barg	Flow Rate at 13 barg	Flow Rate at 21 barg	Flow Rate at 42 barg	Flow Rate at 103 barg	Flow Rate at 250 barg
spm	barg	(mm)	l/h					
60	250	20					60	53
86		20					86	76
120		20					120	106
172		20					172	152
60	103	30			140	137	130	
86		30			201	197	186	
120		30			281	275	260	
172		30			403	394	372	
60	42	50		399	390	382		
86		50		571	559	547		
120		50		797	780	763		
172		50		1,143	1,119	1,094		
60	21	68	745	737	722			
86		68	1,068	1,057	1,034			
120		68	1,490	1,475	1,443			
172		68	2,136	2,114	2,069			
60	13	90	1,305	1,292				
86		90	1,871	1,851				
120		90	2,611	2,583				
172		90	3,742	3,703				
60	6	125	2,518					
86		125	3,609					
120		125	5,036					

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