



Characteristics

1. High, precisely controllable, actuating forces with short actuation times
2. Meets explosion protection requirements
3. Integrated hydraulic supply
4. Hermetically sealed system, no rotary sealing elements
5. 4 quadrant pump
6. Oil flowing through 3 phase servo motor with high power density
7. Control times of up to 40mm/sec.
8. Optionally double-acting or spring return available
 - o Spring return independent of control function
 - o Spring close speeds up to < 0.15 sec.
 - o Self-retaining spring function, no control function against tensioned spring
9. Optional integrated force measurement
10. Position Independent Installation
11. Optionally integrated or remote compact servo position controller
12. All-electric plug & play interface
13. Control voltage 24 VDC
14. Power voltage 3ph 400VAC to 690 VAC
15. 4-20 mA setpoint/feedback
16. Integrated end position signaling
17. Parameterizable digital inputs
18. Communication via Bus Signal
19. Meets requirements for use in SIL3 security architectures.



Specifications

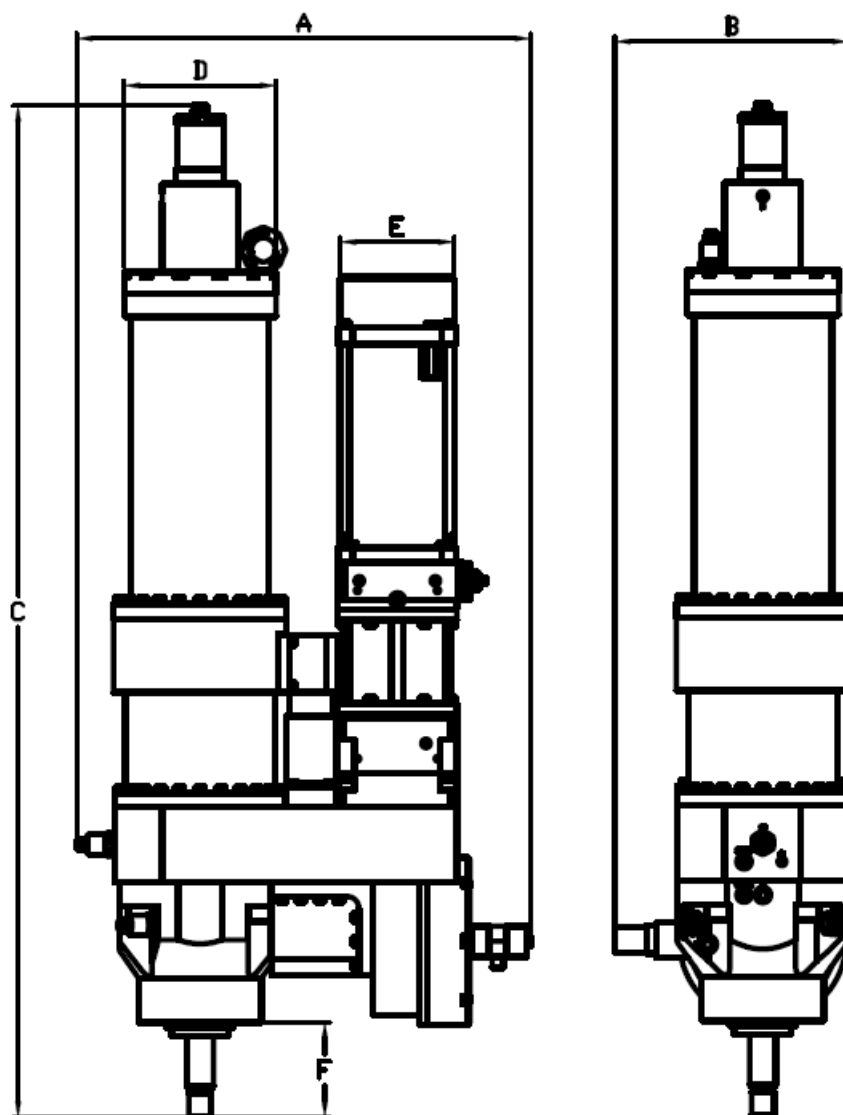
Type		PEHD 2.0	PEHD 2.1	PEHD 2.3	PEHD 2.6
Piston Diameter	mm	80	100	120	220
Piston Rod Diameter	mm	28	28	28	63
Stroke	mm	35-200			
Pump flow rate	l/min	8,75-54			
Max. operating pressure	barg	150			
Max. operating force	kN	66,1	108,5	160,3	523
Durable control force @90 barü	kN	39,7	65,1	96,2	313,9
Motor rated power kW		2,8-16			
Spring force relaxed	kN	14,7	24,3	46,2	73,39
Spring force tensioned	kN	18,6	32	52	95,2

Ambient temperature: 0...+70°C

Mode of action: optional spring closes / spring opens / double acting

Paintwork: Traffic blue (RAL 5017), customer request possible

Dimensional drawing



Dimensions:

Typ		PEHD 2.0	PEHD 2.1	PEHD 2.3	PEHD 2.6
A	mm	477,75	477,75	477,75	477,75
B	mm	245,90	245,90	245,90	245,90
C	mm	1064	1064	1064	1064
D	mm	160	160	160	160
E	mm	120	120	120	120
F	mm	100	100	100	100

Typecode:

PEHD-	□□□-	□□□-	□-	□-	□	□	□	□	□	□
Pistondiameter	080									
	100									
	120									
	220									
Stroke		35								
		55								
		105								
		135								
		205								
Servo Controller	Integrated		0							
	Remote mounted		1							
Powersupply 3ph	400 VAC			0						
	500 VAC			1						
	690 VAC			2						
Controlvoltage 24V 6A	External				0					
	Integrated power supply				1					
On site connection	Plugs <small>Harting Load and control separated.</small>					0				
	Terminal strip					1				
Data cable USB 1,5 mtr	Without						0			
	With						1			
Pressure Sensors <small>2x 4-20mA 0-250 barg</small>	Without							0		
	With							1		
Special Requirements	Without								0	
	With								1	
Painting	Standard <small>RAL 5017 Epoxy 2- Layer</small>									0
	Special									1

Example: PEHD-080-055-0-1-111000

Pistondiameter:	080 mm	080-
Stroke:	55 mm	055-
Servocontroller:	integrated	0-
Power Supply:	500 V AC	1-
Controlvoltage 24 VDC 6A:	integrated	1
On site connection:	plug	1
Data cable:	with	1
Pressure sensors:	without	0
Special requirements:	without	0
Painting:	standard	0