

EM Brno Ltd.

ELEKTROHYDRAULIC ACTUATORS OF THE SERIES EP



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Devices EP are designated for a control of industrial appliances, where is demanded activity of a mechanical pulling force connected with a linear movement (jaw brakes, latches, containers, valves).

Outer parts incl. terminal box are made from an Alu-alloy.

The drive unit is created by a built-in three phases induction motor driving a blade-wheel of hydraulic pump.

The return movement of the device after switching-off the network is guaranteed thanks to gravity of the controlled appliances or with help of built-in return springs. Speed of the draught pole can be controlled in a small range either by means of an adjusting screw positioned under the filling opening in the upper part of the cover (retardation in c.w. direction) or for a fluent retardation with help of valves (Z – movement up, K – down, S – both directions).

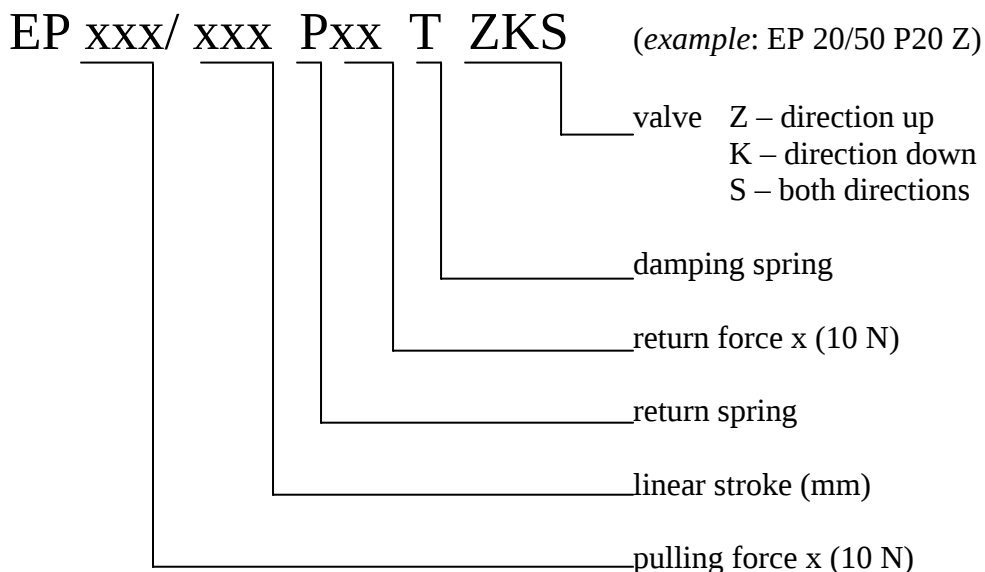
GENERALLY:

- Working position vertical or with some 60° declination from vertical; horizontal on request
- Voltage 380 or 500 V/50 Hz, on request 220 to 575 V, 50 or 60 Hz
- Duty cycle continuous S1 or interrupted S2, S3 (till 2000 switches per hour)
- Protection IP 54, cooling IC 410

Performance:

- N23 normal for ambient temperatures -25 to +40 °C
- T23 tropical -25 to +45 °C
- F23 cold -40 to +40 °C

DECLARATION FOR AN ORDER:



TECHNICAL DATA

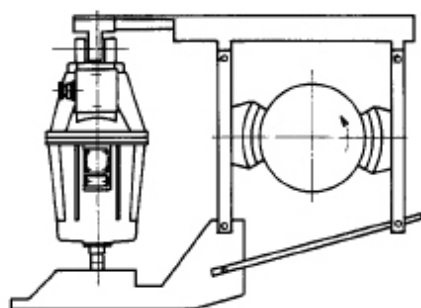
Type	Modification	Stroke	Pulling force		Return force		Input Power	Current	Mass	
			start	end	rated	depart.			without oil	oil
		mm	N		N		kW	A	kg	
1	2	3	4		5	6	7	8	9	10
EP 20	/50	50	295	295	-	-	0,15	0,28	9	2,2
	/50 P12 /50 P20		181 94	150 40	125 225	14 25				
EP 50	/50	50	650	650	-	-	0,2	0,4	11,5	2,5
	/50 P18		509	460	160	17				
	/50 P32		309	235	370	40				
	/50 P50		168	46	525	58				
	/100	100	650	650	-	-			15	3
	/100 P18		556	460	150	17				
	/100 P32		385	235	355	39				
	/100 P50		291	46	510	56				
EP 125	/60	60	1650	1650	-	-	0,4	0,9	17	4
	/60 P45		1215	1120	390	70				
	/60 P80		830	560	775	120				
	/60 P125		395	30	1165	190				
	/160	160	1650	1650	-	-			23,5	5,3
	/160 P45		1370	1120	300	50				
	/160 P80		1285	560	520	75				
	/160 P125		1010	30	820	125				
EP 150	/60	60	1900	1900	-	-	0,45	0,9	17	4
	/60 P45		1465	1370	390	70				
	/60 P80		1080	810	775	120				
	/60 P125		645	280	1165	190				
	/160	160	1900	1900	-	-			23,5	5,3
	/160 P45		1625	1370	300	50				
	/160 P80		1530	810	520	75				
	/160 P125		1260	280	820	125				

Pulling force is guaranteed for oil temperature 60°C.

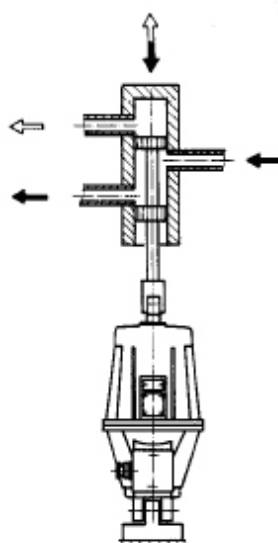
DIMENSIONS

Typ	B 13	B 14	B 23	B 81	D 01	D 02	D 21	L 01	L 02	L 22	L 23	L 24
EP 20/50	80	20	180 x180	100	21,5	12	20,2	42	12	380	45	20
EP 50/50	90	25	200 x200	100	24,5	12	20,2	45	12	398	45	20
EP 50/100	90	25	200 x200	100	21,5	12	20,2	45	12	452	45	20
EP 125/60 150/60	88	23	230 x230	100	27,5	16	20,2	54	16	458	55	25
EP 125/160 150/160	88	23	230 x230	100	27,5	16	20,2	54	16	573	55	25

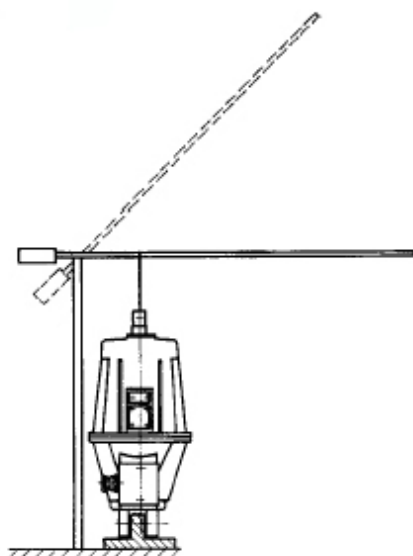
Brake



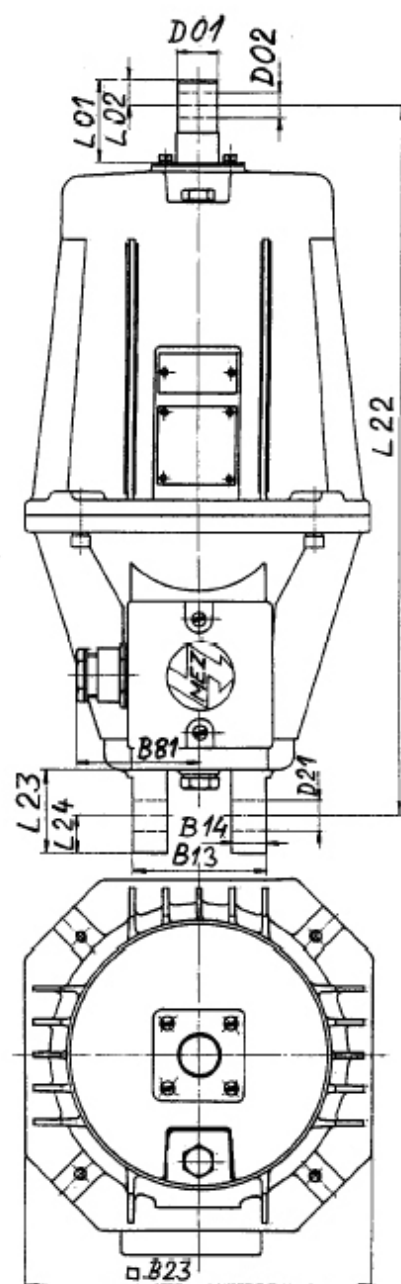
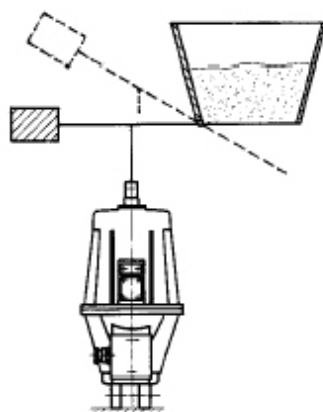
Valve



Latch



Container



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