

Bettis BLF

Single-Acting Linear Actuator



Technical Data

Working pressure: 1.35 bar / 2000 psi

Test pressure: 1.5x working pressure to a maximum of 2.90 bar / 3600 psi

Temperature range: -20° to +80°C / -5° to +180°F

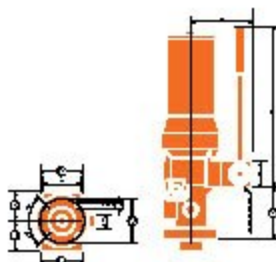
End closing thrust (spring): 1500 - 16500 N / 1100 to 12000 lbf

Viscosity of hydraulic oil: 15 to 200 cSt

The Bettis BLF/BLFR actuator for fail close operation of globe valves

Features

- Unique and simple design with integrated cross-over valve
- Easy installation on intermediate flange of globe valve
- Same unit for various valve sizes
- Water ingress protection - IP68
- No external moving parts
- Design ready for control functions
- Built-in hydraulic emergency operation for the BLFR
- Direct visual indication



Thrust	lbf	N
Weight	lb	kg
Dimensions	in./in.	mm
Dimensions	inches	mm

Model	End Closing Thrust	Stroke	Weight	Displacement	Mount on Bottom Valve										Mount on Top Valve										
					A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
BLF05	2.8	0.04	1.2	1.26	2	0	215	1.01	-	-	1.26	142	299	0.01	0.09	6.20	0.06	2.52	215	0.19	-	0.26	1.22	0.01	246
	1500	14.25	6	0.02	62	9	60	41.5	-	-	24.5	26	16	11	15	160	225	64	60	20	-	9	2.25	22	62
BLF125	1019	1.22	24	5.00	2	0	201	1.91	2.05	2.62	1.01	1.05	254	0.15	0.19	622	12.56	215	2.04	0.96	2.50	0.26	1.22	0.01	246
	4600	21.25	11	0.06	15	9	16	50	52	12	42.5	42	30	19	20	209	245	60	91.5	25	69	9	2.25	22	62
BLF250	2109	24.6	110	26.10	5	1	216	2.21	2.01	2.62	2.91	2.62	551	0.31	1.26	1226	22.10	591	610	1.91	610	0.26	1.22	0.01	246
	16500	62.5	51	0.26	116	14	10	64	16	12	14	12	140	22	25	229	632	150	135	50	135	9	2.25	22	62

