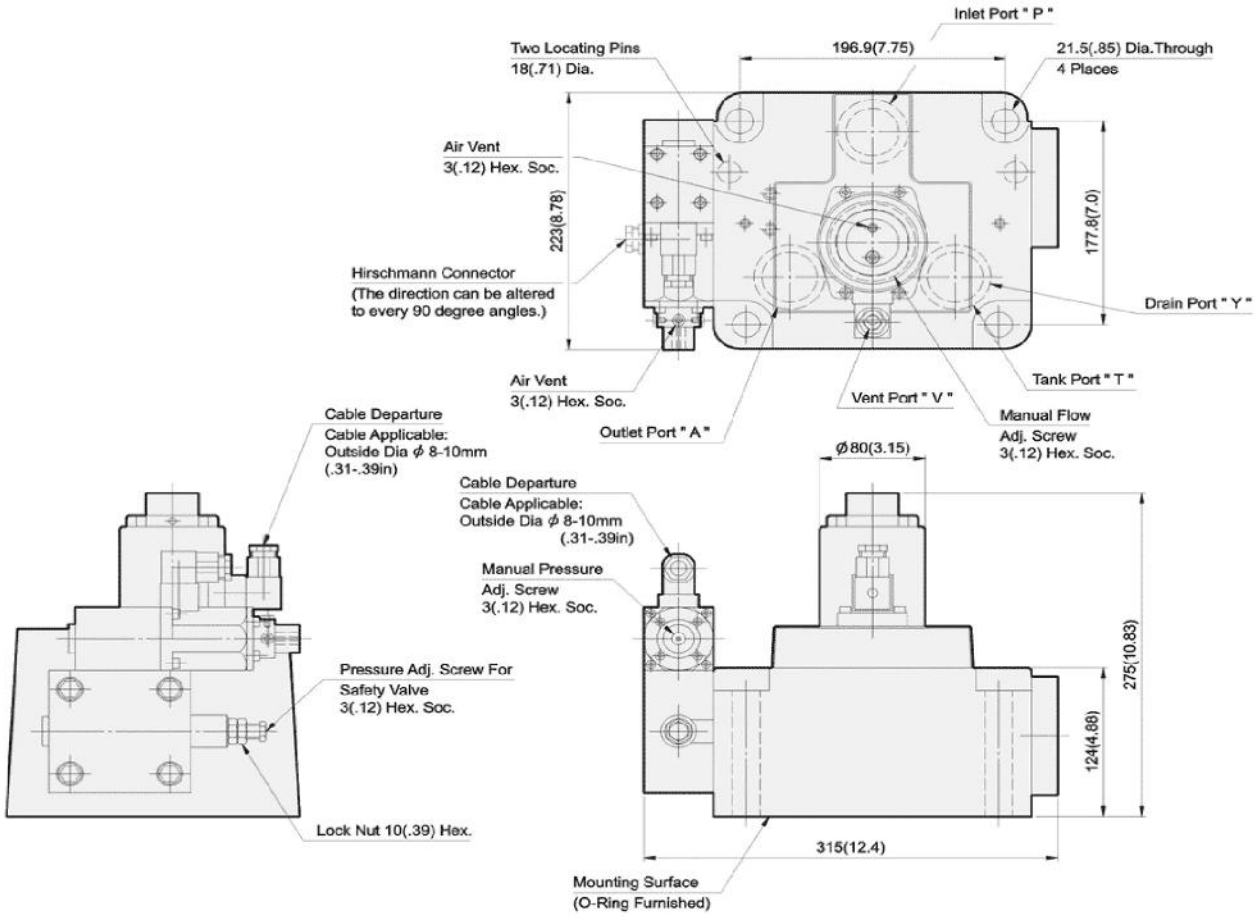
Bell Hydromatics
Proportional Valve
EFBG
EFBG-10

Note :
1. Pipe the return direct back to tank on its own below the oil level for minimum back pressure.
2. The specification chart above relates to performance achievable using HNC standard electronic controller type HNC-4075, HNC-1085 and a pump flow of 125lpm (EFBG-03), 250lpm (EFBG-06), 500lpm (EFBG-10) at oil temperature 45°C / 113°F and viscosity 45 cSt.

Dimensions

EFBG-10 Proportional Electro-Hydraulic Relief and Flow

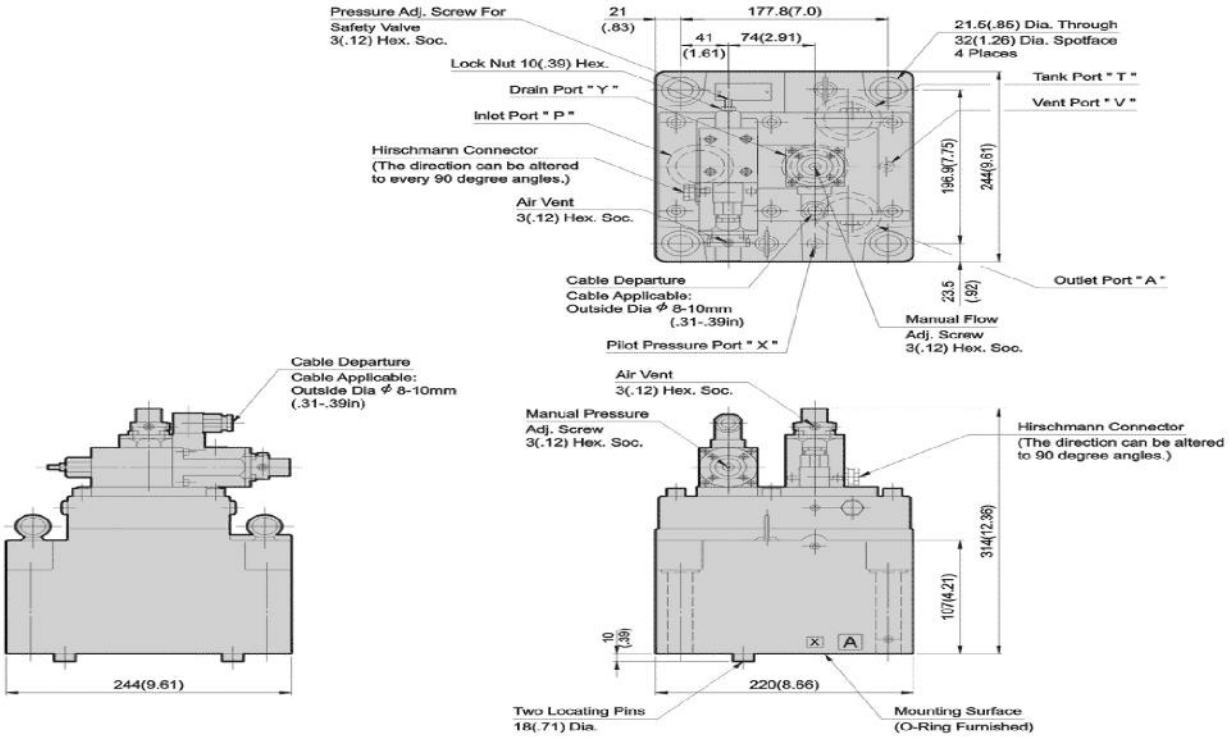
Control Valves (40Ω-10Ω Series)



Name	Description	Tightening Torque	Code
Attachment Soc.Hd.Cap Screw:	M20X130LgX4pcs	473-585 Nm	20
Attachment Soc.Hd.Cap Screw:	No.3/4-10UNCX5"LgX4pcs	4106-5078 in.lbs	2090

EFBG-10 Proportional Electro-Hydraulic Relief and Flow

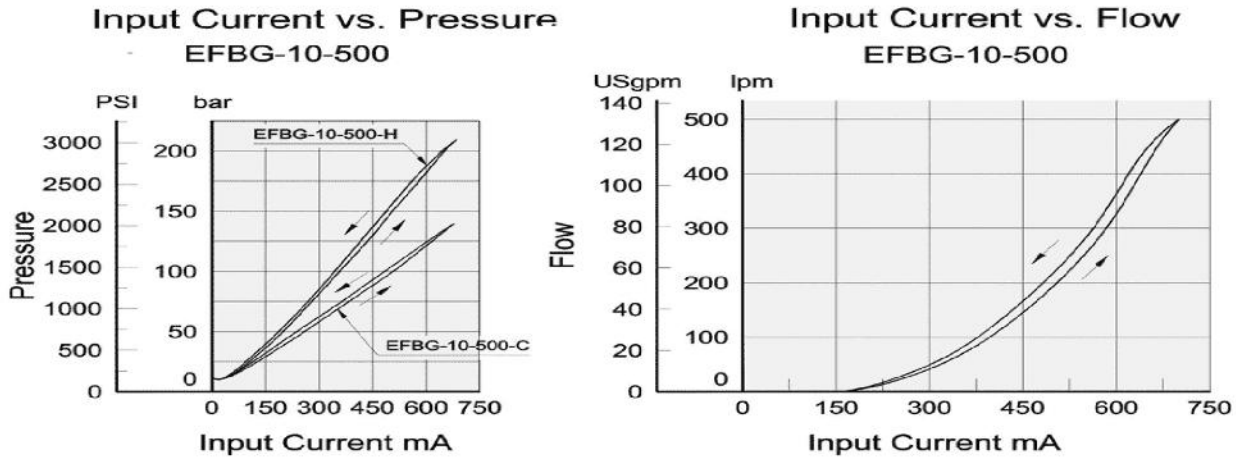
Control Valves (10Ω-10Ω Series)



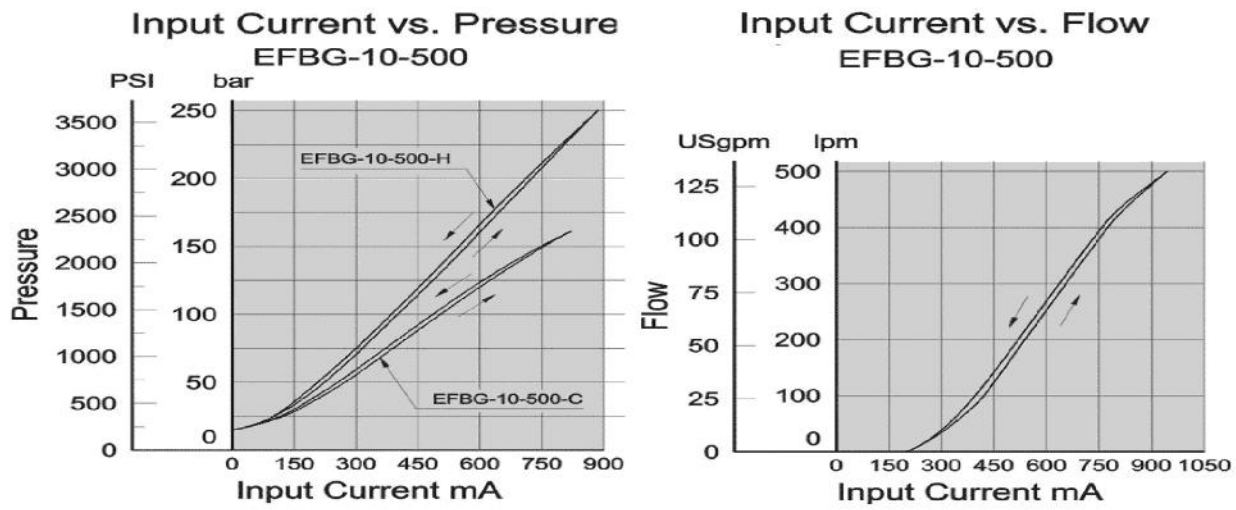
Name	Description	Tightening Torque	Code
Attachment Soc.Hd.Cap Screw:	M20X130LgX4pcs	473-585 Nm	50
Attachment Soc.Hd.Cap Screw:	No.3/4-10UNCX5"LgX4pcs	4106-5078 in.lbs	5090

Performance Curves

EFBG-10 Proportional Electro-Hydraulic Relief and Flow Control Valves (40Ω-10Ω Series)



EFBG-10 Proportional Electro-Hydraulic Relief and Flow Control Valves (10Ω-10Ω Series)



Ratings

Model No.		EFBG-10-125-C-20 40Ω-10Ω Series	EFBG-10-125-C-20 10Ω-10Ω Series
Max. Operating Pres. bar (PSI)		206 (2987)	250 (3600)
Max. Flow lpm (USgpm)		500 (132)	
Metred Flow Adjustment Range lpm (USgpm)		5-500 (1.32-132)	
Flow Controls	Rated Current mA	750	800
	Coil Resistance Ω	40	10
	Valve Internal Resistance (A→B) bar (PSI)	5 (72.5)	
	Hysteresis %	< 7	
	Repeatability %	< 1	
Pressure Controls	Pres. Adj. Range bar (PSI)	C : 8~140(116~2030) H : 10-206(145~3000)	C : 8~140(116~2030) H : 10-250(145~3600)
	Rated Current mA	C : 700 H : 750	C : 820 H : 880
	Coil Resistance Ω	10	
	Hysteresis %	< 3	
	Repeatability %	< 1	
Weight kg(lbs.)		58 (127.8)	64 (141.1)