

Designation	Intelligent lift-control valve		
Design	Leak-free, two-stage, electronically controlled		
Mounting method	G 1 Pipe mounting or low mounting (see interface in "Installation info.")	G 1½ Pipe mounting or low mounting (see interface in "Installation info.")	
Size	- Port P - Port T - Port HP - Port Z - Port Z1	G 1 G 1 Hose, oil-resistant (id = 8 mm, od = 12 mm) 28 L EN ISO 8434-1 G ¼	G 1½ G 1½ Hose, oil-resistant (id = 8 mm, od = 10 mm) 42 L EN ISO 8434-1 G ¼
Tightening torque	- Port P - Port T - Port HP - Port Z - Port Z1	230 Nm ± 10 % 230 Nm ± 10 % Hose 10 x 1 (pushed on) 230 Nm ± 10 % 35 Nm ± 10 %	500 Nm ± 10 % 500 Nm ± 10 % Hose 10 x 1 (pushed on) 500 Nm ± 10 % 35 Nm ± 10 %
Weight	10.4 kg		22.5 kg
Mounting attitude	As illustrated – see section "Dimensions"		
Ambient temperature range	+2 °C ... +40 °C		
Supply voltage	24 VDC		
Supply voltage tolerance	± 10 %		
Nominal pressure	80 bar	80 bar	
Maximum flow rate	250 l/min	500 l/min	
Nominal flow rate Down (Z > T)	see section "Performance graphs"		
Flow direction	P → T (bypass) P → Z (UP) Z → T (DOWN)		
Hydraulic fluid	HL and HLP mineral oil to DIN 51 524; for other fluids, please contact BUCHER		
Hydraulic fluid temperature range	+0 °C ... +60 °C		
Viscosity range	20 ... 500 mm ² /s (cSt)		
Minimum fluid cleanliness Cleanliness class to ISO 4406 : 1999	Class 21/19/16		



