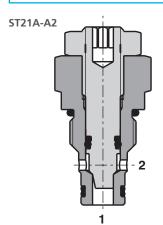


ST2C1A-A2

3/4-16 UNF • Q_{max} 20 l/min (5 GPM) • p_{max} 320 bar (4600 PSI)

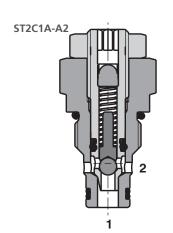


Technical Features

- Reverse flow check option
- Hardened precision parts
- > Fine low-torque adjustment
- > Linear adjustment and positive seat overlap
- > Optionally adjustable by allen key or hand screw
- > Desired settings may be locked down
- > In the standard version, the valve is zinc-coated for 240 h protection acc. to ISO 9227

Functional Description

A hydraulic flow restrictor valve in the form of a screw-in cartridge with an optional by-pass check valve. After loosening the lock nut the valve may be unscrewed up to the red marked safety notch. Beyond the marking, the valve may get completely unscrewed, leading to leakage.



Model Code	ST21A-A2	ST2C1A-A2
Symbol	2 🚣 1	2 1

Technical Data

Valve size / Cartridge cavity		3/4-16 UNF-2A / A2 (C-8-2)
Max. flow	l/min (GPM)	20 (5.3)
Max. operating pressure	bar (PSI)	320 (4600)
Fluid temperature range (NBR)	°C (°F)	-30+100 (-22+212)
Mass	kg (lbs)	0.2 (0.44)

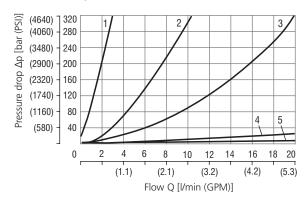
		Datasheet	Туре
General information		GI_0060	Products and operating conditions
Value badies	In-line mounted	SB_0018	SB-A2*
Valve bodies	Sandwich mounted	SB-04(06)_0028	SB-*A2*
Cavity details / Form tools Spare parts		SMT_0019	SMT-A2*
		SP_8010	

Characteristics measured at $v = 32 \text{ mm}^2/\text{s}$ (156 SUS)

Pressure drop related to flow rate

Flow direction $2\rightarrow 1$

ST21A-A2/L20*, ST2C1A-A2/L20*

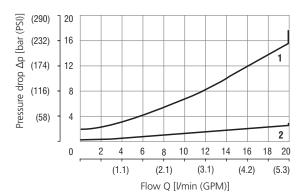


Number of turns of the adjustment screw			crew	
1	2	3	4	5

Check valve pressure drop related to flow rate

Flow direction $1\rightarrow 2$

ST2C1A-A2/L20*

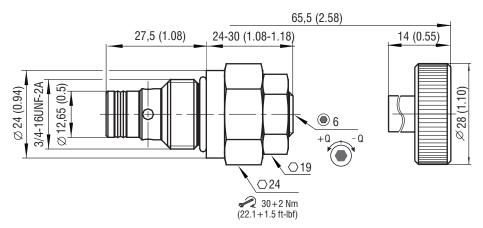


Trottle valve closed	Trottle valve opened
1	2

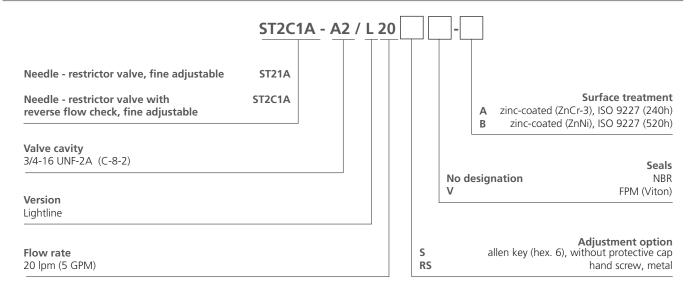
Page 1 www.argo-hytos.com



Model S Model RS



Ordering Code



www.argo-hytos.com Page 2