

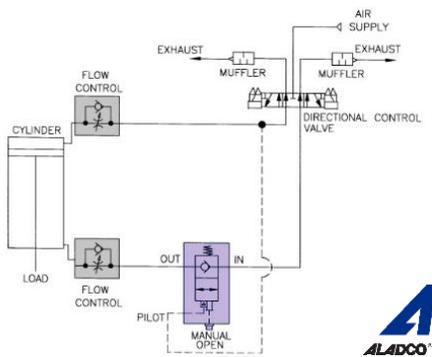
CLEAN-CHECK® PNEUMATIC CHECK VALVE



Aladco® Clean-Check® valve is a normally closed check valve that can be overridden by air piloting or manually to allow two-way flow. The tightly sealed Clean-Check® valves are used on pneumatic devices to stop air release when the device is stopped, which prevents drifting of the device and any attached load. Clean-Check® valves are unique in that they can be used in environments that need to stay very clean, but they also can tolerate exposure to external dirt and liquids.

The Clean-Check® valve is fully sealed for use in clean/sanitary environments without its function being affected. The valve is able to tolerate: dust, dirt, oil, grease, detergent, cleaning solutions and cutting fluids.

A typical use of a Clean-Check® valve involves combining it with a direction control valve to control air flow from ports of a pneumatic device. With an appropriate combination of direction control valves and other pneumatic components, a cylinder position control system using a Clean-Check® can handle both normal position control and standby or safety stop conditions. An example schematic for a double acting cylinder is shown. A combined valve system can have excellent fail-safe and assured control properties.

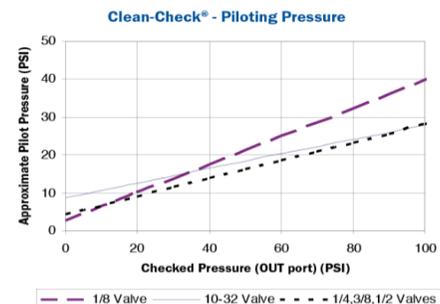
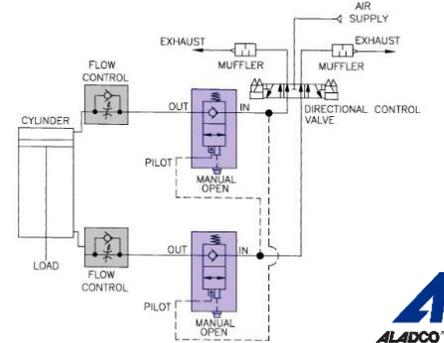


Features:

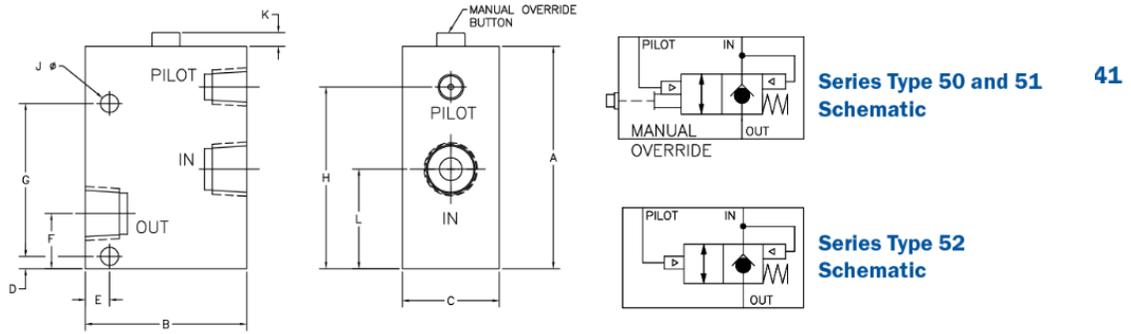
- Superior, self-cleaning ball seal provides long product life
- Exceeds ANSI Class VI Leak Standard (bubble tight)
- Body is made of high strength, lightweight, anodized 6061 aluminum alloy
- Variety of porting options
- Designed for use with lubricated or non-lubricated air systems
- Tamper resistant with no required maintenance
- Prevents load drift and provides rapid stopping of load
- Fully sealed for use in clean/sanitary environments
- Patented and Made in Waukesha, Wisconsin USA
- Standard 3-year warranty

Additional Notes:

- Standard seal is Buna-N (30° to 250° F temperature range); Viton® (-15° to 400° F temperature range) is also an available option
- MTTF is over 100 million cycles for Buna-N seals and over 40 million cycles for Viton® seals
- NPTF Ports conform to ASME B1.20.1-2013 Pipe Threads, General Purpose (Inch)
- BSPP (G) and M5 Ports conform to ISO 16030:2003: Pneumatic fluid power – Connections – Ports and stud ends
- Operating pressure is 15 to 120 psi
- Operating temperature 30° to 150° F
- 10-32 UNF models have only one mounting hole



Clean-Check® Pneumatic Check Valve Dimensions



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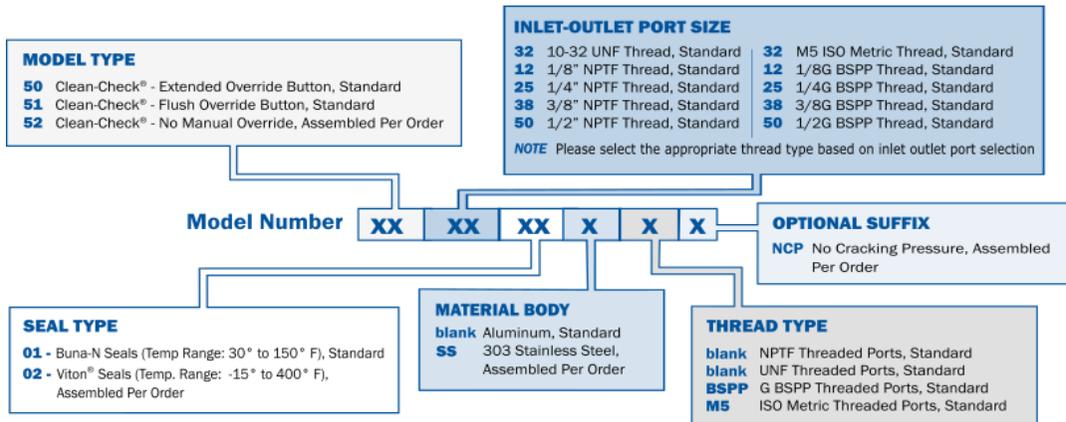
DIMENSIONS & SPECIFICATIONS																	
Port Size	A	B	C	D	E	F	G	H	J	K	L	Pilot Port	Cracking Pressure	CV	Pilot Ratio	Weight (AL)	Weight (SS)
#10-32	1.75	1.00	0.75	1.15	0.15	0.39	NA	1.50	0.19	0.18	0.84	#10-32	2 - 4 psi	0.2	5.3:1	0.20	0.40
1/8"	2.61	1.50	1.00	0.20	0.19	0.63	1.75	1.98	0.22	0.18	1.17	1/8"	2 - 4 psi	0.8	3:1	0.40	1.00
1/4"	3.46	2.50	1.50	0.20	0.38	0.87	2.38	2.83	0.28	0.17	1.53	1/4"	2 - 4 psi	1.7	4:1	1.20	3.20
3/8"	3.46	2.50	1.50	0.20	0.38	0.87	2.38	2.83	0.28	0.17	1.53	1/4"	2 - 4 psi	1.7	4:1	1.20	3.10
1/2"	3.46	2.50	1.50	0.20	0.38	0.87	2.38	2.83	0.28	0.17	1.53	1/4"	2 - 4 psi	1.7	4:1	1.20	3.10

*All A-L dimensions in inches; weight in pounds

Disclaimer:

- This valve has not been designed for use on vacuum, air over oil or high pressure applications
- Technical details subject to change without notice

Model Ordering Information



Model Examples:

Model 511201 is a Clean-Check® valve with 1/8" NPTF threaded Inlet-Outlet port, Buna-N seal, Aluminum body, and flush override button.
 Model 502501SSBSPP is a Clean-Check® valve with 1/4" BSPP threaded Inlet-Outlet port, Buna-N seal, Stainless Steel body, and an extended override button.