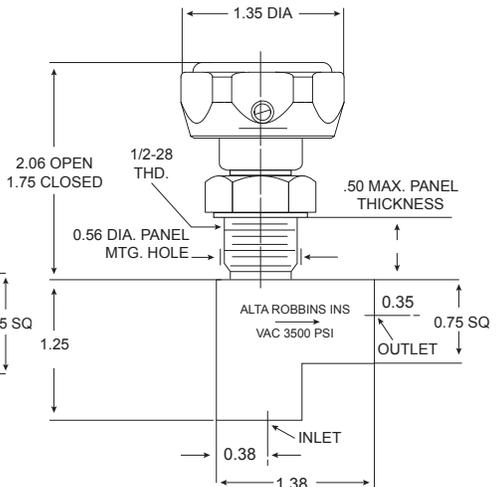
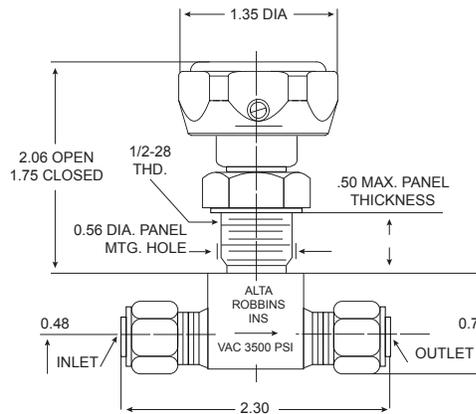
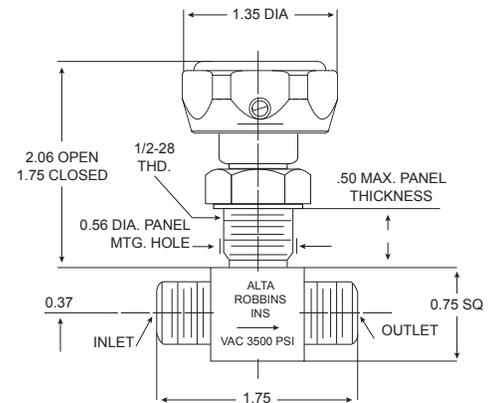
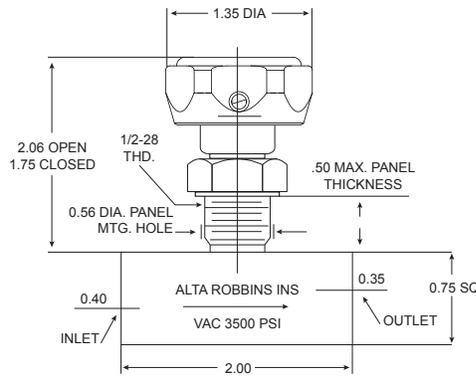


ALTA ROBBINS



- For liquid and gaseous applications requiring leakproof sealing in operation from vacuum to 3500 psi
- Stem threads sealed out of fluid flow for less wear and longer life
- Low operating and shutoff torque
- Fine metering control
- Low pressure drop
- 4-to-1 safety factor
- Simple to service - all functional parts can be removed for cleaning or replacement without disturbing body connections using standard tools
- Unique seat containment - Replaceable, large soft seat is fully contained in bonnet which provides fine metering control, zero leakage, and long service life
- Panel mounted in seconds without exposing functional parts



TECHNICAL DATA

MAX OPERATING PRESSURE: 3500 PSI*

VACUUM RATING: 1×10^{-5}

SAFETY FACTOR: 4:1

CV: Angle=0.12; Globe=0.11

INTERNAL & EXTERNAL LEAKAGE: Zero

ORIFICE DIAMETER: 0.093 Inch

O-RING MATERIAL: Buna-N (Standard)

SEAT MATERIAL: Kel-F (Standard)

OPERATING TEMPERATURE: -40°F to +250°F

HANDLE TURNS TO OPEN: 7 (Approximate)

**Solid Teflon seats reduce the max operating pressure to 1000 psi. Using a Teflon Seat, with metal insert increases max operating pressure to 3500 psi.*

ORDERING INFORMATION

See Options on reverse side for additional ordering information.

	MODEL NUMBER	BODY MATERIAL	PORTS	WEIGHT (lbs)
GLOBE	INS125B	Brass	1/8" Female NPT	0.47
	INSG103-1P	303 SS	1/8" Female NPT	0.47
	INS250B	Brass	1/4" Female NPT	0.44
	INSG103-2P	303 SS	1/4" Female NPT	0.44
	INS736	Brass	1/4" Male NPT	0.31
	INS736S	303 SS	1/4" Male NPT	0.31
	INS736-4D	Brass	1/4" Flareless Tube	0.38
	INS736S-4D	303 SS	1/4" Flareless Tube	0.38
ANGLE	INSA125B	Brass	1/8" Female NPT	0.41
	INSA103-1P	303 SS	1/8" Female NPT	0.41
	INSA250B	Brass	1/4" Female NPT	0.38
	INSA103-2P	303 SS	1/4" Female NPT	0.38

MAINTENANCE

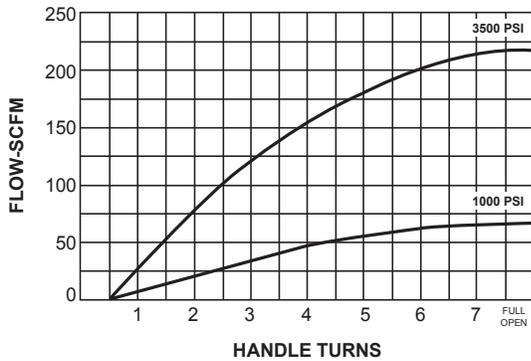
Valve can be serviced without removal from line using standard tools.

IMPORTANT: Lubricate Stem threads and Stem O-Rings regularly with Halocarbon 25-5S or equal.

REPLACEMENT OF SEAT AND/OR O-RING SEALS

1. Open valve fully. Loosen Handle Set Screw and remove Handle and Locknut.
2. Unscrew Bonnet and remove Bonnet O-Ring.
3. Using Handle as a wrench, screw Stem out of Bonnet clockwise, thereby ejecting Seat and Stem. Remove Stem O-Ring.
4. Clean all parts well with solvent. Lubricate lightly stem threads and all O-Rings. Install Bonnet and Stem O-Rings.
5. Screw Stem into Bonnet until engaged with Bonnet threads; use Handle to retract Stem to full limit.
6. Replace Seat in Bonnet cavity, chamfered end first, making sure it is well seated.
7. Replace Bonnet Assembly in Body, torquing to 45 inch pounds for TEFLON Seats, and 75 inch pounds for KEL-F, NYLON, and all Metal Insert type Seats.
8. Replace Locknut torquing to 75 inch pounds. Replace Handle; tighten. Set Screw firmly.

AIR FLOW VS. HANDLE TURNS
(AT AMBIENT TEMPERATURE)



REPLACEMENT PARTS

NAME	PART #
B Bonnet	42AB
C Stem	43AB
D Seat, Kel-F	44AB-41
- Seat, Nylon	44AB-21
- Seat, Teflon	44AB-11
J Seat, Kel-F with Metal Insert	A44AB-41
- Seat, Nylon with Metal Insert	A44AB-21
- Seat, Teflon with Metal Insert	A44AB-11
E O-Ring, Stem- Standard	5006-56
- O-Ring, Stem- Alternate	5006-51
F O-Ring, Bonnet	5013-51
G Locknut, Brass	45AB
- Locknut, Stainless Steel	45AB-1
H Handle with Set Screw	A48-1
- Set Screw (#8-32x 1/4 lg Half Dog Pt)	10385-4
- O-Ring Installation Mandrel	T-221-1

- Bonnet Assembly (B,F, C, E, D, J)	
- Kel-F Seat	KA49
- Teflon Seat	NA49
- Nylon Seat	TA49

Consists of all functional parts, sealed and ready to install in body

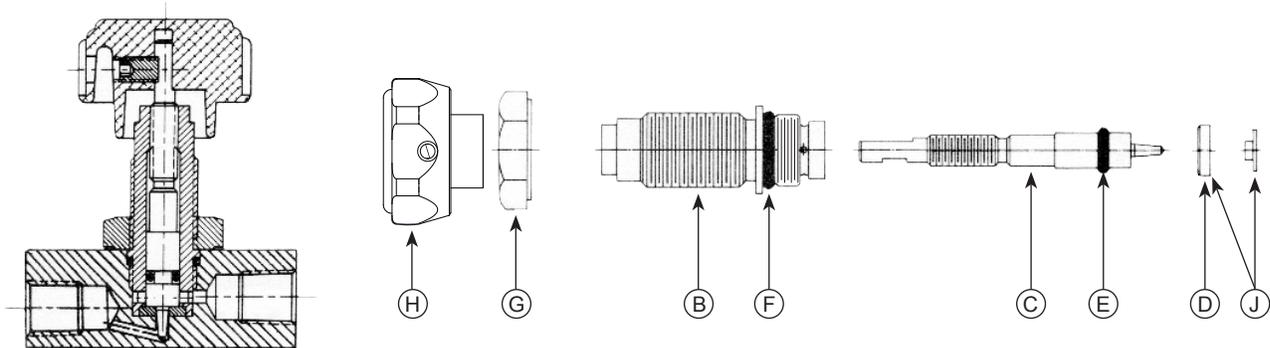
- Soft Goods Kit (F, E, D, J)	
- Kel-F Seat	4004-4-1
- Nylon Seat	4004-2-1
- Teflon Seat	4004-1-1

For Metal Insert add -763 to Bonnet Assembly or Soft Goods Kit part number

OPTIONS

ADD THE FOLLOWING DASH CODES TO THE END OF THE PART NUMBER

O-RING MATERIAL	MISCELLANEOUS
VITON -12	SEAT W/METAL INSERT -763
BUTYL -91	316 SS -768
ETHYLENE-PROPYLENE -06	316 SS AND SEAT W/METAL INSERT -787
KALREZ -08	
BUNA-N FOR MTBE -59	



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