



## SV-306 GL45 CLOSED SYSTEM CAP 4-PORT WITH FFKM AIR INLET VALVE

- Minimize solvent vapor entering the lab
- Reduce leaks and spills of solvent waste
- HPLC Normal and Reverse Phase solvent compatibility

SV-306 is designed to fit standard GL45 threaded lab bottles. Tubing that is 1/8" OD or smaller may be connected to the ports with the appropriate 1/4-28 fitting and ferrule set. The design includes a free-spinning cap collar to prevent tubing from twisting when the cap is removed. Tighten tube fittings (not included) until snug, but do not overtighten to avoid stripping of the port threads.

With chemically resistant PTFE and FFKM perfluoroelastomer components, this cap is designed to resist most standard Normal and Reverse phase HPLC solvents, such as Acetonitrile, THF, and Methylene Chloride. Materials of construction include a PTFE insert with Polypropylene spin collar and expanded PTFE gasket. Air inlet valve is PTFE, 300-series stainless steel, and FFKM elastomer. Compatibility of materials and solvents used is the responsibility of the user.

Although a gasket may not be required for an adequate seal, replacement gaskets may be purchased under part number BC-015-01. Expanded PTFE will provide an inert sealing option, but will compress over time with repeated use. Replacement air inlet valve filters are part number FR-008; remove and replace as necessary.



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### CHEMICAL COMPATIBILITY DATA

SOLVENT	PTFE	POLYPROPYLENE	300 STAINLESS	VITON®	EPDM	FFKM
ACETONE	A	A	A	NR	A	A
CHLOROFORM	A	NR	A	A	NR	A
ETHYL ACETATE	A	A	A	NR	B	A
HEXANE	A	BC	A	A	NR	A
MEK	A	A	A	NR	A	A
METHYLENE CHLORIDE	A	NR	C	B	C	A
THF	A	BC	A	NR	NR	A
ACETONITRILE	A	AB	A	NR	A	A
IPA	A	A	A	A	A	A
METHANOL	A	A	A	C	A	A

A = EXCELLENT B = GOOD C = FAIR TO POOR NR = NOT RECOMMENDED

The data above has been compiled from a number of sources and is intended as a general guide only. Chemical compatibility of solvents and materials employed is the responsibility of the user. Data assumes room temperature use.

### AIR AND VAPOR FLOW DIAGRAM

