

Swagelok backpressure regulators and ¼ inch VCR fittings to connect them to molstic and/or molbloc

Find all of these at www.swagelok.com

Backpressure regulators

1. Swagelok pressure reducing regulator:

Max inlet 3600 psi, ¼ inch female NPT ports, with inlet and outlet gauges.

P/N: KPR-1GRN411C20010

2. Back Pressure Regulator:

Range: 3000 psi, with inlet gauge.

P/N: KPB-1P0G412P200A0

316 SS, 0 to 3000 psi, max inlet pressure equal to range, in/out/gauge ports, ¼ inch female NPT ports, PCTFE seat material, 0.06 flow coefficient, 316 SS piston, knob, no valves, no cylinder connection, inlet gauge, no other options

3. Back Pressure Regulator: Range: 500 psi, with inlet gauge.

P/N: KBP-1J0G4A5A20A0

316 SS, 0 to 500 psi, max inlet pressure equal to range, inlet gauge port, ¼ inch female NPT ports, Fluorocarbon FKM PCTFE seat material, 0.20 flow coefficient, alloy no vent sensing mechanism, knob, no valves, no cylinder connection, inlet gauge, no other options

Fittings:

4. SS-4-VCR-1-4, 316 SS VCR Face Seal Fitting, Male NPT Connector Body, ¼ in. VCR x ¼ in. MNPT. Qty 2 for each Swagelok back pressure regulator ordered to connect to the ports with VCR fittings.

Part No.: SS-4-VCR-1-4

Description: 316 SS VCR Face Seal Fitting, Male NPT Connector Body, 1/4 in. VCR x 1/4 in. MNPT

Unit Price: Log in to see pricing

Availability: Log in to see availability



5. SS-4-WVCR-6-DF, 316 SS Welded VCR Face Seal Fitting, ¼ in. Rotating Female Union

Part No.: SS-4-WVCR-6-DF

Description: 316 SS Welded VCR Face Seal Fitting, 1/4 in. Rotating Female Union

Unit Price: Log in to see pricing

Availability: Log in to see availability



6. UNION,SS,4VCR F-F, SS-4-VCR-CG

Part No.: SS-4-VCR-CG

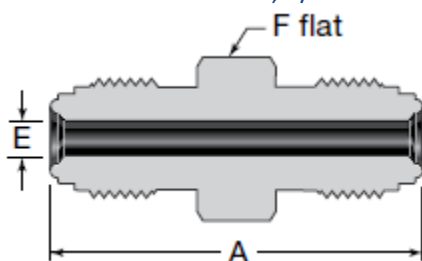
Description: 316 SS VCR Face Seal Fitting, 1/4 in. Female VCR Coupling Body

Unit Price: Log in to see pricing

Availability: Log in to see availability



7. Male ¼ in. VCR union, 1/4 SS-4-VCR-6-DM



8. SS-4-CRV-A1S-400, VCR to ¼ inch tube fitting adapter, Qty 4.

Part No.: SS-4-VCR-A1S-400

Description: 316 SS VCR Face Seal Fitting, Swagelok Tube Fitting Short Bulkhead Connector Body, 1/4 in. VCR x 1/4 in. Tube Fitting

Unit Price: Log in to see pricing

Availability: Log in to see availability



9. Get some metal gaskets if you want to connect the backpressure regulator to the outlet of a MFC at greater than 100 psi. (can't use Viton o-rings past 100 psi).

SS-4-VCR-2-GR-VS, typically ordered in sets of 10 I think.

Part No.: SS-4-VCR-2-GR-VS

Description: 316L SS VCR Face Seal Fitting, 1/4 in. Unplated Gasket Retainer Assembly

Unit Price:

Availability: Call for Availability



10. Metal gasket, same as above but without retainer clips

SS-4-VCR-2, SEAL, SS, 4VCR GASKET

11. Filter, same one that we use on mid flow molstic-L and ¼ inch molstic-S to 100 slm

SS-4FW-VCR-2, FILTER, SS, 2.0 MIC, 4VCR

12. Filter, same one that we use on low flow molstic-L to 2 slm

SS-4FWS-VCR-0, FILTER, SS, 0.5 MIC, 4VCR

13. SS-8-VCR-6-DF-4, RDCR, SS, 4VCRF X 8VCRF

14. SS-8-VCR-7-4VCRF, ADPT, SS, 8VCR X 4VCRF

15. O-rings from Fluke Calibration

Fluke PN 3071123, O-RINGS, ¼ inch VCR, VITON, KIT OF 50

16. SS-4BKT-V51, VLV,SHTOFF,4VCR

Part No.: SS-4BKT-V51

Description: SS Bellows-Sealed Valve, Gasketed, PCTFE Stem Tip, 1/4 in. Female Swagelok VCR Fitting, SC-11 Cleaned, Toggle Handle

Unit Price: Log in to see pricing

Availability: Log in to see availability



Typical high pressure DUT and BPR setup would be like this:

Supply pressure from bench, MFC, backpressure regulator, pressure reducing regulator, filter, laminar or sonic molbloc.

