

Reservoir Equipment

Speed Control and Needle Valves



SPECIFICATION

Construction:

Brass 58 – UNI 5705 (G³/₄ model-steel) Nickel plated.

Max. working pressure:

210 bar.

Operating temp. range:

-20°C to +100°C.

Fluid compatibility:

Petroleum-based oils.

Sizes:

G¹/₄, G³/₈, G¹/₂ and G³/₄.

Speed control valve/check valve crack pressure:

0.5 bar.

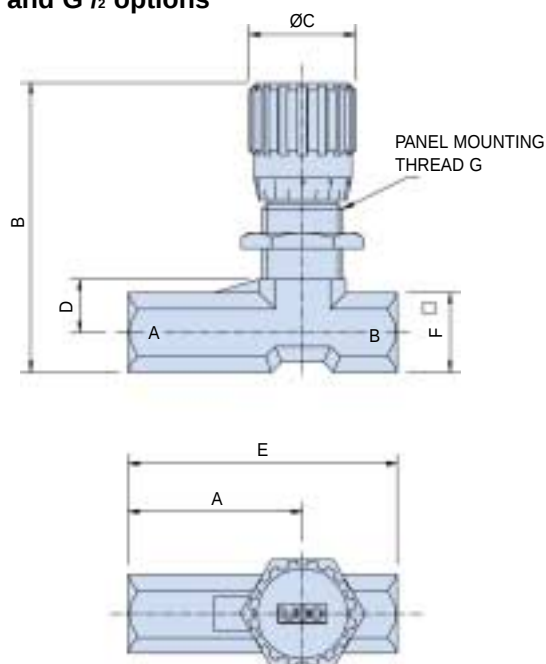
Panel mounting:

A retaining nut for panel mounting is included with every option.

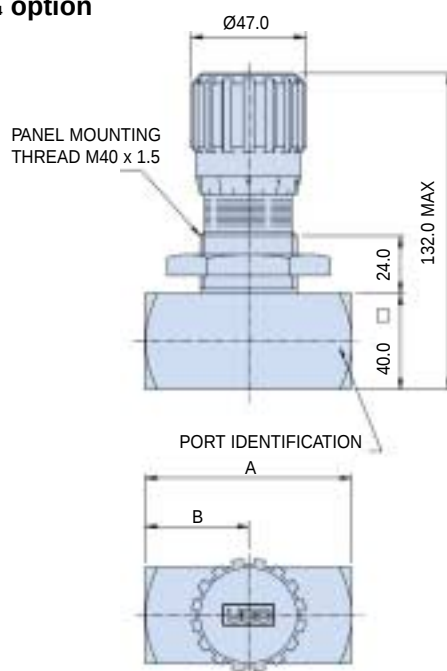
Filtration recommendation:

Parker Filtration 25 micron absolute system filtration is desirable to ensure acceptable reliability and service life.

G¹/₄, G³/₈ and G¹/₂ options



G³/₄ option



ORDERING INFORMATION

Speed Control Valves – white caps

Part Number	Description	A mm	B mm	C mm	D mm	E mm	F mm	Size	G Panel mtg thread	Weight Kg
SCV.1700	G ¹ / ₄ , 210 bar speed control	36	60	22	11	55.5	16.5		M17 x 1	0.13
SCV.1701	G ³ / ₈ , 210 bar speed control	41.5	72.5	27	15	64.5	21.5		M20 x 1	0.24
SCV.1702	G ¹ / ₂ , 210 bar speed control	57	85	33	19	87	27		M25 x 1.5	0.45
SCV.1703	G ³ / ₄ , 210 bar speed control	85	42.5	–	–	–	–		M40 x 1.5	1.3

Needle Valves – orange caps

Part Number	Description	A mm	B mm	C mm	D mm	E mm	F mm	Size	G Panel mtg thread	Weight Kg
2000	G ¹ / ₄ , 210 bar needle valve	36	60	22	11	55.5	16.5		M17 x 1	0.13
2001	G ³ / ₈ , 210 bar needle valve	41.5	72.5	27	15	64.5	21.5		M20 x 1	0.24
2002	G ¹ / ₂ , 210 bar needle valve	57	85	33	19	87	27		M25 x 1.5	0.45
2003	G ³ / ₄ , 210 bar needle valve	115	73	–	–	–	–		M40 x 1.5	1.6

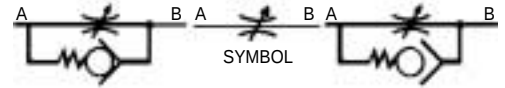
TECHNICAL DATA

PRESSURE DROP (ΔP) FLOW CHARACTERISTICS WITH MINERAL OIL AT 30 cSt VISCOSITY

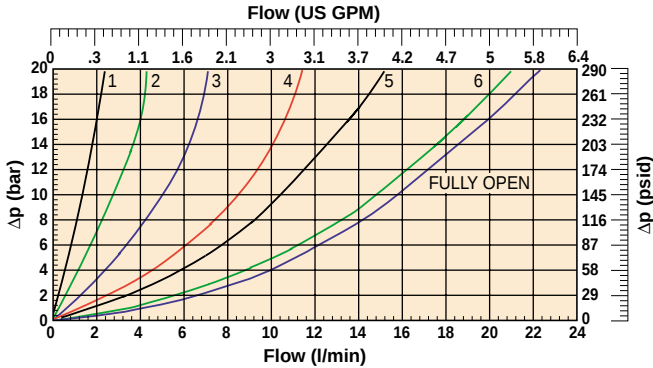
Graphs for needle/shut-off valves and speed control valves with flow A-B (controlled flow through needle).

Flow setting by number of turns of control knob is indicated on the body graduated scale.

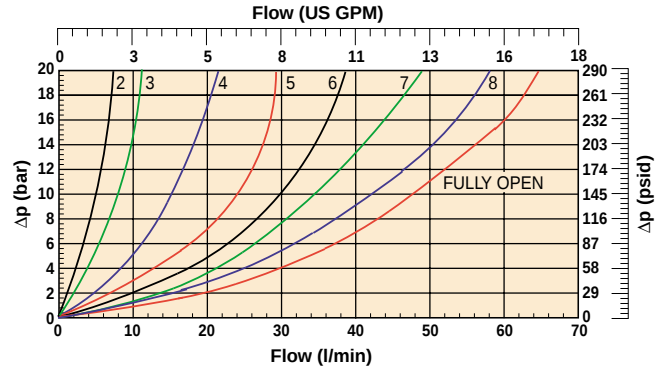
Graphs for speed control valves. Flow B-A (flow through check valve), with needle valve portion in fully open and fully closed positions.



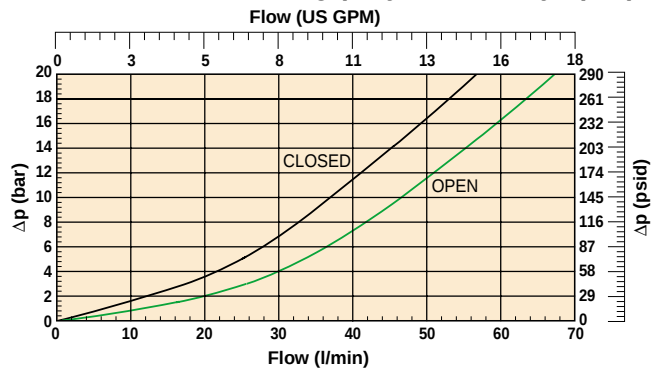
2000/SCV.1700 – Flow setting in no. of turns



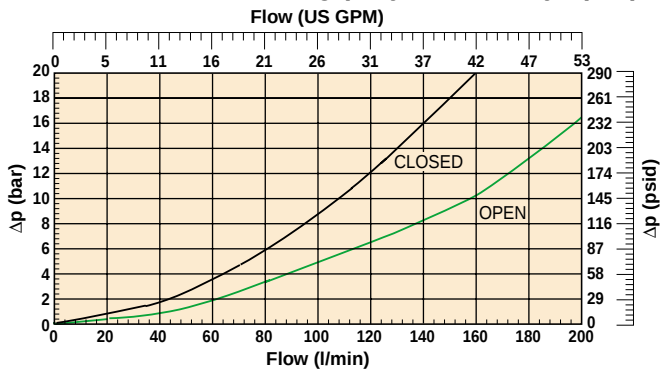
2002/SCV.1702 – Flow setting in no. of turns



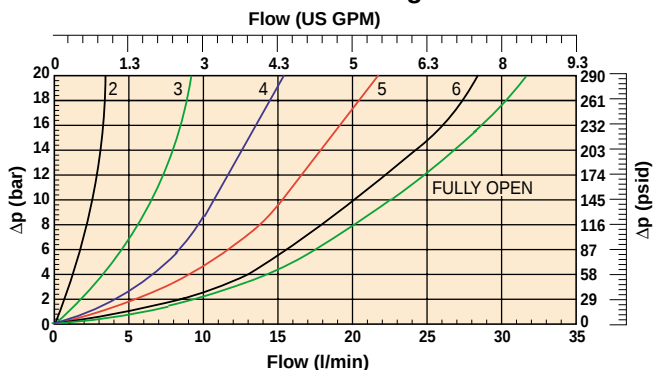
SCV.1700 – Flow setting (fully closed/fully open)



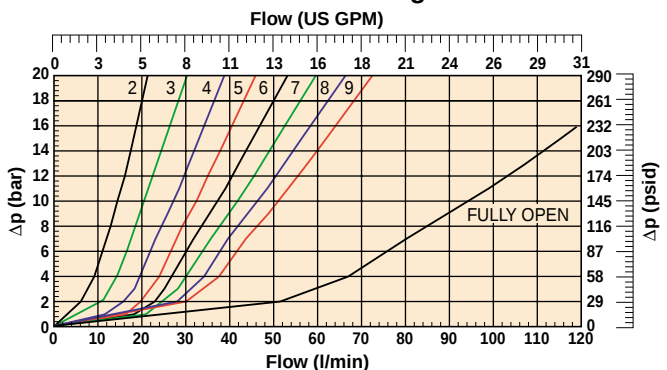
SCV.1702 – Flow setting (fully closed/fully open)



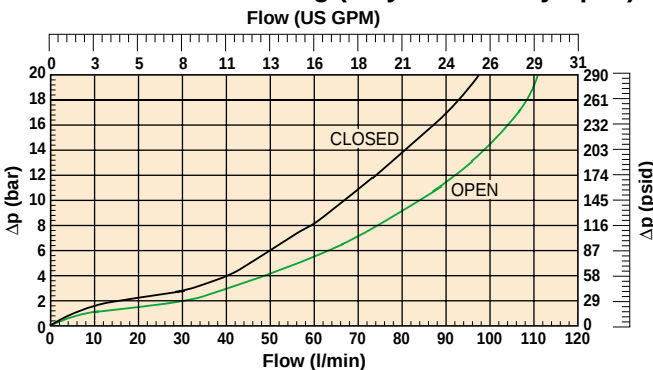
2001/SCV.1701 – Flow setting in no. of turns



2003/SCV.1703 – Flow setting in no. of turns



SCV.1701 – Flow setting (fully closed/fully open)



SCV.1703 – Flow setting (fully closed/fully open)

