

Fuel Non-Return Valves for various uses

Vehicle/Application:	Product:	Fuel Non-Return Valves
various	Pierburg-No.:	7.20234.50.0, .52.0, .53.0; 7.20469.02.0, .03.0, .23.0, .51.0, .80.0; 7.21381.50.0, .53.0, .54.0, .56.0;

Fuel non-return valves (RSV) are used in motorised vehicles for different purposes.

Fitted in fuel lines, they allow the fuel to flow in one direction only.

They are used off-the-shelf to prevent tanks running dry or fuel lines from running empty.

Non-return valves can be retrofitted for use in vehicles and many other cases.

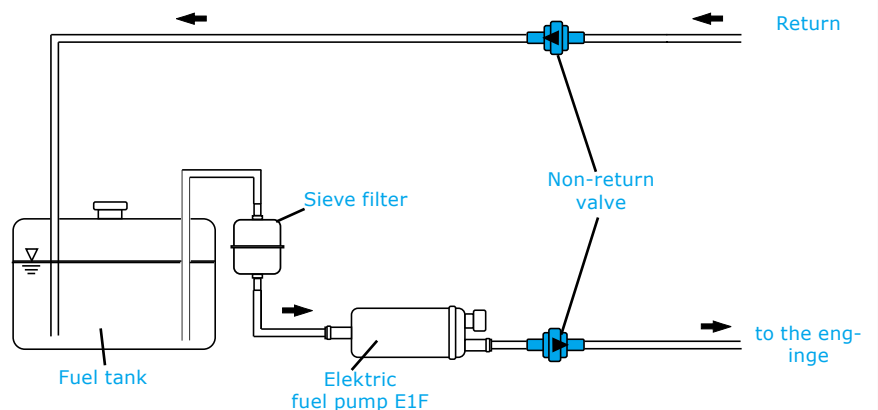
We recommend the fuel non-return valves listed overleaf for retrofitting.

These non-return valves are suitable for petrol and diesel fuels.



Tips on their use and other examples of fitting can be found in

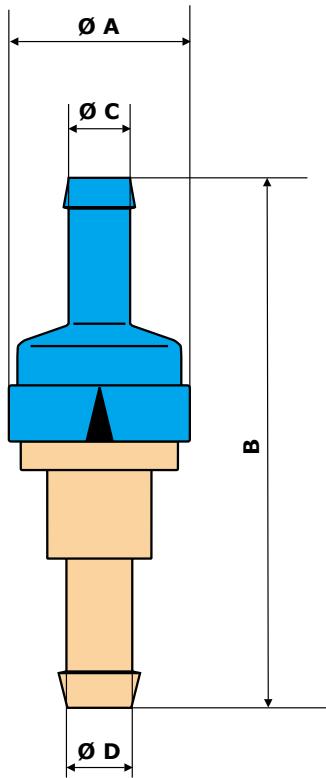
- Service Information SI 0044
- Service Tips & Info on Fuel Systems - Components and Solutions for Universal Applications



Example fitting: Fuel system with an electrical fuel pump

The right of changes and deviating pictures is reserved. Assignment and usage, refer to the each case current catalogues, TecDoc CD respectively systems based on TecDoc.

Technical Data



Dimensions

These non-return valves are suitable for low-pressure uses up to approx. 1.5 bar, e.g. in carburettor vehicles or in non-return lines.

! Maximum burst pressure: 5 bar (pressure applied simultaneously to both ends of the connection)

Tips for fitting: An arrow on the circumference of the casing indicates the direction of flow.

Pierburg-Number	Figure	A	B	C	D	Opening Pressure [mbar] ([psi])	Com.
		[mm]					
7.20469.03.0		18	52	4	4	10-15 (0.145-0.217)	1)
7.20469.02.0		18	52	4	4	100-200 (1.45-2.9)	1)
7.20469.23.0		18	52	4	4	950-1450 (13.8-21.0)	2)
7.20469.51.0		18	62	6	6	10-15 (0.145-0.217)	1)
7.20469.80.0		18	62	6	6	30-40 (0.435-0.58)	1)
7.21381.50.0		18	56,5	8	6	10-15 (0.145-0.217)	1)
7.20234.50.0		18	61,5	8	8	30-40 (0.435-0.58)	3)
7.20234.52.0		18	61,5	8	8	10-25 (0.145-0.363)	1)
7.21381.54.0		18	56,5	8	8	10-25 (0.145-0.363)	1)
7.21381.56.0		18	56,5	8	8	50-100 (0.725-1.45)	1)
7.20234.53.0		18	61,5	8	8	80-120 (1.16-1.74)	1)
7.21381.53.0		18	56,5	8	8	140-200 (2.03-2.9)	1)

1) Tightness of the valve seat: No leakage at the valve gasket within 60 seconds at 0.75 bar (10 psi) at the outlet
 2) Tightness of the valve seat: Permissible valve gasket leakage max. 2 l/h at 0.8 bar (11 psi) at the outlet
 3) Permissible pressure drop: 6.7 mbar (0.1 psi) in at least 70 seconds