

SPIR STAR relief valves are made to the highest quality standards and thus achieve high safety and a long service life even under difficult operating conditions.

The valves can be used with both gaseous and liquid media.

All relief valves are manually adjustable.

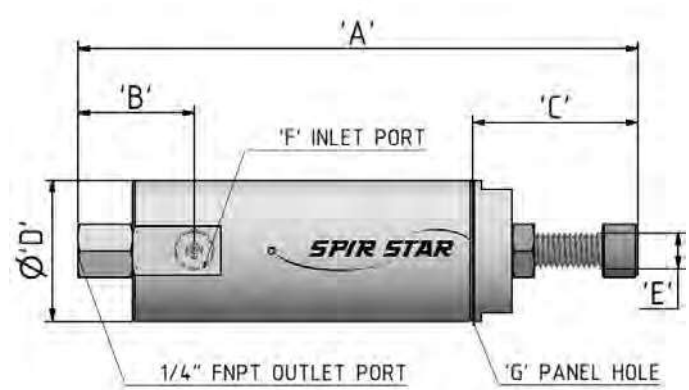
Technical Data:

Material:	Body: 316 Stainless Steel
Max. Working Pressure:	1.380 bar // 20.000 psi
Temperature:	-45°C bis +150°C

Relief Valve



IN: 2x High-Pressure Female; OUT: 1x NPT Female



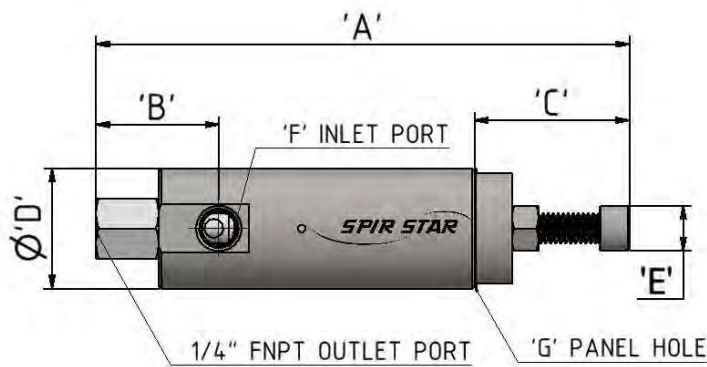
Part Number	Thread Description	Thread Description	Tube Thread	Screw-in Thread	Orifice		Repair Kit	Suitable Tubing
SS-20RV-FA	HF4	NF4	1/4"x28UNF LH	9/16"x18UNF		-		TU-HP4-60K

Part Number	Unit	Dimensions												
		A	B	C	D1	D2	E	F	G	H	I	J	K	L
SS-20RV-FA	mm	191,80	54,10	42,70	50,80	-	14,20	-	41,40	-	-	-	-	-
	inch	7,55	2,13	1,68	2,00	-	0,56	-	1,63	-	-	-	-	-

Relief Valve



IN: 2x NPT IG; OUT: 1x NPT IG



Part Number	Thread Description	Thread Description	Tube Thread	Screw-in Thread	Orifice	Repair Kit	Suitable Tubing
SS-I0RV-FA	NF4	NF4		1/4"	-		

Part Number	Unit	Dimensions												
		A	B	C	DI	D2	E	F	G	H	I	J	K	L
SS-I0RV-FA	mm	132,60	39,60	26,90	38,10	-	14,20	-	35,10	-	-	-	-	-
	inch	5,22	1,56	1,06	1,50	-	0,56	-	1,38	-	-	-	-	-

SPIR STAR Double Block and Bleed valves are available on special requests with the following specifications.

Technical Data:

Thread Types:	High-Pressure, Medium-Pressure und NPT
Valve Types:	Needle x Needle x Needle Ball x Needle x Ball
Material:	Body: 316 Stainless Steel Stem: 17-4PH Sealing: O-Ring with PEEK Backup Ring
Max. working pressure:	1.380 bar // 20.000 psi
Temperature:	-28°C bis +315°C



In order to offer maximum safety even when space is very limited, SPIR STAR can also supply block valves and manifolds from its product range upon request.

The reduction of potential leakage and of the number of screwed connections to a minimum are the highlights of this type of valves. In addition, the time needed for installation is significantly reduced.

Technical Data:

Thread Types:	High Pressure, Medium Pressure and NPT
Material:	Body: 316 Edelstahl
Max. Working Pressure:	4.140 bar // 60.000 psi
Temperature:	-17°C bis +315°C
Length:	Max. 1143mm



The high-pressure tubing made by SPIR STAR, which can be used in pressure ranges of up to 4,140 bar / 60,000 psi, has a standard length of 6 m. It is seamless-drawn from stainless steel, thanks to which it achieves its high quality and safety. Besides the standard lengths, SPIR STAR also offers the tubing cut to shorter lengths. The tubing can also be provided with a straight thread and extl. cone, if required.

Technical Data:

Standard Length:	6m
Tubing Types:	High Pressure, Medium Pressure
Material:	316 Stainless Steel
Max. Working Pressure:	4.140 bar // 60.000 psi
Temperature:	-252°C bis +649°C

Part Number	Size	max. working pressure		OD	ID	Wall Thickness	Weight
Tube	Inch	Bar	PSI	mm	mm	mm	kg/m
TU-MP4-20K	1/4"	1.380	20.000	6.35	2.77	1.79	0.21
TU-HP4-60K	1/4"	4.140	60.000	6.35	2.11	2.12	0.23
TU-MP6-20K	3/8"	1.380	20.000	9.53	5.16	2.18	0.4
TU-HP6-60K	3/8"	4.140	60.000	9.53	3.18	3.18	0.51
TU-MP9-20K	9/16"	1.380	20.000	14.29	7.92	3.18	0.89
TU-HP9-60K	9/16"	4.140	60.000	14.29	4.78	4.76	1.14
TU-MPI2-20K	3/4"	1.380	20.000	19.05	11.13	3.96	1.5
TU-MPI6-20K	1"	1.380	20.000	25.4	14.27	5.56	2.77

Tolerances				
Part Number	max. OD	min. OD	max. ID	min. ID
Tube	mm	mm	mm	mm
TU-MP4-20K	6.30	6.17	2.77	2.64
TU-HP4-60K	6.30	6.17	2.11	2.01
TU-MP6-20K	9.40	9.27	5.16	5.03
TU-HP6-60K	9.40	9.27	3.18	3.07
TU-MP9-20K	14.15	14.02	7.92	7.80
TU-HP9-60K	14.15	14.02	4.75	4.62
TU-MPI2-20K	18.92	18.80	11.13	10.97
TU-MPI6-20K	25.27	25.15	14.27	14.15

