

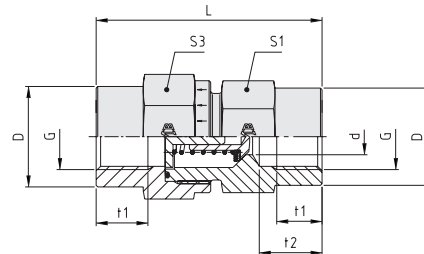
VALVES

NON-RETURN VALVES WITH CONE

THE WORLD OF TUBE FITTINGS

RF NON-RETURN VALVES

Twin-face inner pipe thread.



description	PB	DN nominal size	S ₁	S ₃	L	t ₁ min.	t ₂	D	d	G	kg % pc
RF 1/8"	400	3	19	19	42.5	8.0	12.0	19	3.5	G 1/8	7.6
RF 1/4"	400	4	19	19	51	12.0	16.0	19	3.5	G 1/4	8.5
RF 3/8"	400	8	24	27	60	12.0	17.0	24	7.5	G 3/8	15.6
RF 1/2"	400	12	32	36	72	15.0	20.0	32	11.5	G 1/2	34.4
RF 3/4"	1) 400	16	41	46	84	16.5	22.0	41	15.0	G 3/4	59.0
RF 1"	1) 250	20	46	50	95	19.0	25.5	46	19.0	G 1	82.3
RF 1 1/4"	1) 250	25	60	60	110	21.5	28.0	60	24.0	G 1 1/4	153.6
RF 1 1/2"	1) 250	32	65	70	114	22.0	28.5	65	29.0	G 1 1/2	193.3

1) valve halves with O-ring sealing

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.

RVS INSIDE PARTS NON-RETURN VALVES

Zinc plated steel. Other materials on request.

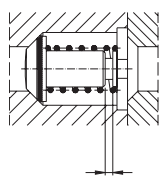
Perbunan standard -20°C up to +90°C.

Viton optional -20°C up to +120°C.

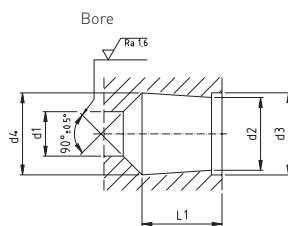
Valve lift pressure: Standard 1 bar, alternative valve lift pressure supplied upon request.



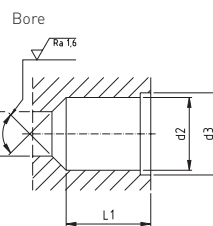
Assembly



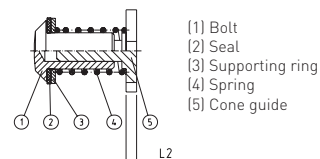
Travel of spring



Bore (RVS 6-L/S / 8-S only)
Bore (must align exactly)



Inside valve parts



- (1) Bolt
- (2) Seal
- (3) Supporting ring
- (4) Spring
- (5) Cone guide

description	d ₁	d ₂ [+0.1]	d ₃ [+0.05]	L ₁ [± 0.1]	L ₂	deflection	d ₄ [+0.2]
X RVS 6-L/S/8-S	4	7.7	8.6	10.3	2.3	2.5	8.5
X RVS 8-L/10-S	6	10.8	11.6	12.7	2.3	2.7	10.75(d2)
X RVS 10-L/12-S	8	13.4	14.1	16.3	2.3	3.3	13.35 (d2)
X RVS 12-L/14-S	10	16.9	18.1	18.9	2.8	3.8	16.9 (d2)
X RVS 15-L/16-S	12	19.5	20.6	21.4	2.8	4.7	19.5 (d2)
X RVS 18-L/20-S	15	25.2	27.1	25.4	3.4	4.7	25.2 (d2)
X RVS 22-L/25-S	19	30.8	32.6	29.6	3.4	5.5	30.8 (d2)
X RVS 28-L/30-S	24	38.7	40.6	34.7	3.8	7.0	38.7 (d2)
X RVS 35-L/38-S	29	45.7	48.1	40.7	3.8	10.0	45.7 (d2)

Please see "Engineering and technical data - Selecting the correct tube fitting" for more information on pressure.