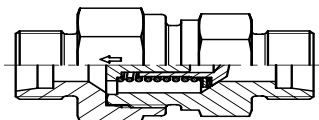


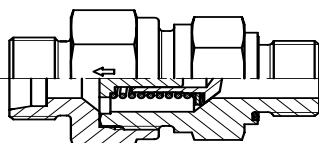
Visual index Non return valves

RHD / p. O11



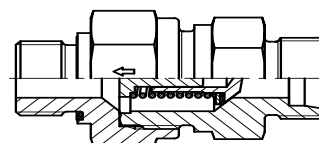
EO 24° cone end / EO 24° cone end

RHV-R-ED / p. O12



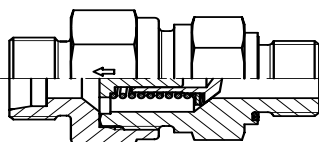
EO 24° cone end /
Male BSPP thread – ED-seal (ISO 1179)

RHZ-R-ED / p. O13



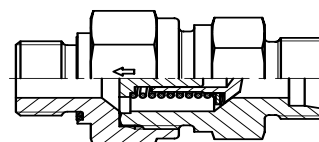
Male BSPP thread – ED-seal (ISO 1179) /
EO 24° cone end

RHV-M-ED / p. O14



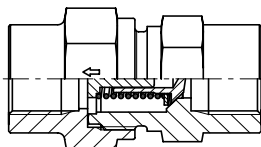
EO 24° cone end /
Male metric thread – ED-seal (ISO 9974)

RHZ-M-ED / p. O15



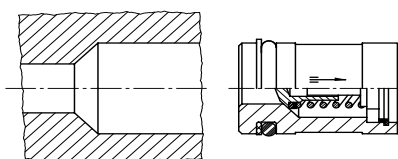
Male metric thread – ED-seal (ISO 9974) /
EO 24° cone end

RHDI / p. O16



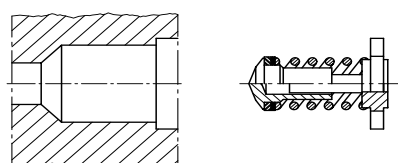
Female BSPP thread (ISO 1179-1) /
Female BSPP thread (ISO 1179-1)

RVP / p. O17



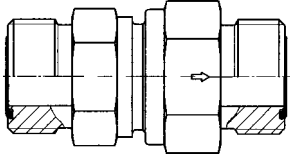
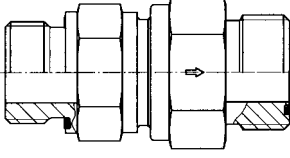
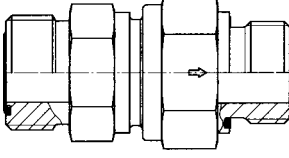
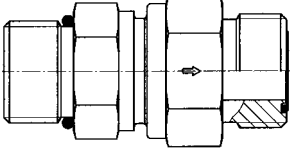
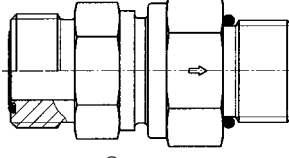
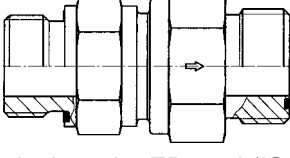
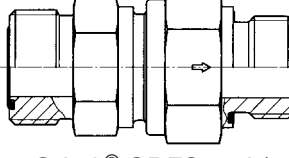
Non return valve cartridge

I-TL / p. O18



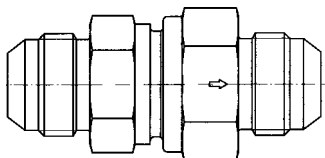
Internal parts of non return valve

Visual index Non return valves with O-Lok® connections

RHDMLOS / p. O20  O-Lok® ORFS end / O-Lok® ORFS end	
RHV42EDMLOS / p. O21  Male BSPP thread – ED-seal (ISO 1179) / O-Lok® ORFS end	RHZ42EDMLOS / p. O22  O-Lok® ORFS end / Male BSPP thread – ED-seal (ISO 1179)
RHV50MLOS / p. O23  Male UN/UNF thread – O-ring (ISO 11926) / O-Lok® ORFS end	RHZ50MLOS / p. O24  O-Lok® ORFS end / Male UN/UNF thread – O-ring (ISO 11926)
RHV82EDMLOS / p. O25  Male metric thread – ED-seal (ISO 9974) / O-Lok® ORFS end	RHZ82EDMLOS / p. O26  O-Lok® ORFS end / Male metric thread – ED-seal (ISO 9974)

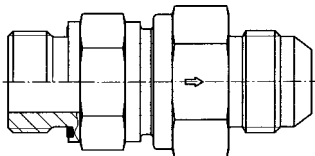
Visual index Non return valves with Triple-Lok® connections

RHDMTXS / p. O27



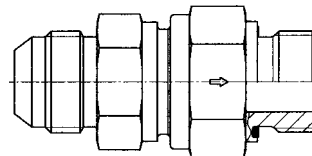
Triple-Lok® 37° flare end / Triple-Lok® 37° flare end

RHV42EDMXS / p. O28



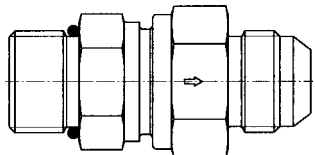
Male BSPP thread – ED-seal (ISO 1179) /
Triple-Lok® 37° flare end

RHZ42EDMXS / p. O29



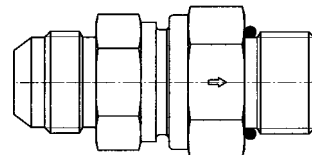
Triple-Lok® 37° flare end /
Male BSPP thread – ED-seal (ISO 1179)

RHV50MXS / p. O30



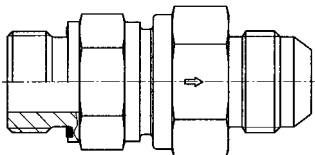
Male UN/UNF thread – O-ring (ISO 11926) /
Triple-Lok® 37° flare end

RHZ50MXS / p. O31



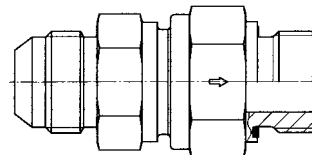
Triple-Lok® 37° flare end /
Male UN/UNF thread – O-ring (ISO 11926)

RHV82EDMXS / p. O32



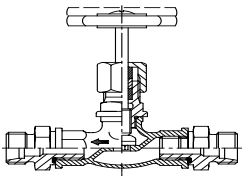
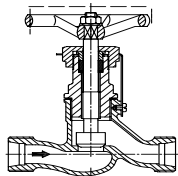
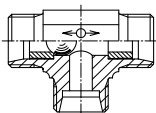
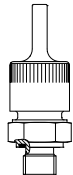
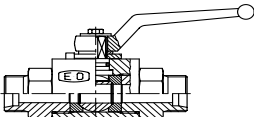
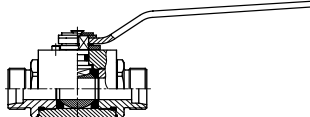
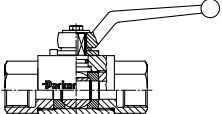
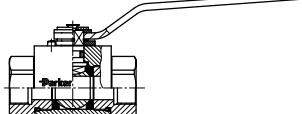
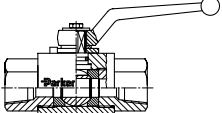
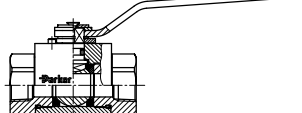
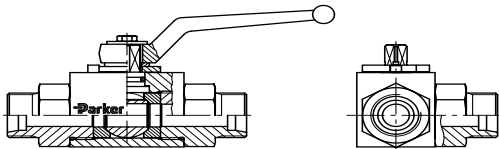
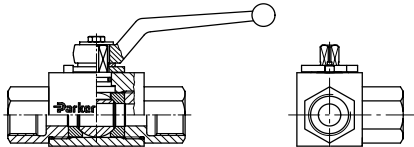
Male metric thread – ED-seal (ISO 9974) /
Triple-Lok® 37° flare end

RHZ82EDMXS / p. O33



Triple-Lok® 37° flare end /
Male metric thread – ED-seal (ISO 9974)

Visual index shut off valves and ball valves

 DV p. O34 EO 24° cone end / EO 24° cone end	 LD p. O35 EO 24° cone end / EO 24° cone end
 WV p. O36 EO 24° cone end / EO 24° cone end / EO 24° cone end	 ELA/ELAE p. O46 Air-bleed valves
 KH (S) p. O37 EO 24° cone end / EO 24° cone end	 KH (71) p. O38 EO 24° cone end / EO 24° cone end
 KH-BSPP (S) p. O39 Female BSPP thread (ISO 1179-1) / Female BSPP thread (ISO 1179-1)	 KH-BSPP (71) p. O40 Female BSPP thread (ISO 1179-1) / Female BSPP thread (ISO 1179-1)
 KH-NPT (S) p. O41 Female NPT thread (SAE 476) / Female NPT thread (SAE 476)	 KH-NPT (71) p. O42 Female NPT thread (SAE 476) / Female NPT thread (SAE 476)
 KH 3/2 (S) p. O43 EO 24° cone end / EO 24° cone end / EO 24° cone end	
 KH 3/2-BSPP(S) p. O44 Female BSPP thread (ISO 1179-1) / Female BSPP thread (ISO 1179-1) / Female BSPP thread (ISO 1179-1)	

Range of non return valves and alternating valves

Non-return valves with nominal pressure ratings up to PN 420 bar:

- with tube connection both ends: RHD
- with tube connection to male stud: RHV/RHZ
- with female thread both ends: RHDl
- valve cartridges: RVP
- valve internal parts: I-TL
- leakage rate hydraulic testing under test pressure: 1 drop per minute

Alternating valves:

- for nominal pressure ratings up to PN 160 WV
- leakage rate hydraulic testing under test pressure: 20 drops per minute

Hand-operated Shut-off valves:

- for low pressure ratings up to PN 10 bar DV
- for medium pressure ratings up to PN 40 bar LD

Design:

1. For materials, permissible working pressures, temperatures, flow medium torques for male studs etc. see relevant pages of the catalogue.
2. Tube connection ends must be assembled according to the Parker EO/EO 2 assembly instructions. The valve bodies must be held rigidly during assembly of the tube connection ends.
3. Test pressures for non return valves: PN in conformance with O.D. information see chapter C.
4. Pressure drop values please see p. C12 and diagrams.

Caution!

Please note the admissible pressure ratings for the EO-tube ends.

Range of hand-operated shut off valves and quarter turn ball valves

Quarter turn Hand-operated ball valves:

- for high pressure ratings up to PN 500 bar KH
- leakage rate hydraulic testing under test pressure: 0 drops per minute

The pressure specification PN for hand-operated shut-off valves and quarter turn ball valves applies to the design factor 1,5 (according DIN 3230 T5 and ISO 5208).

Steel

Materials:

Body made of steel, coating DIN 50938-FE//A/T4, ball of hard chrome plated carbon steel, stem of zinc plated steel.

Seals:

Ball seat of POM (e. g. Delrin), stem seal of NBR (e. g. Perbunan).

Applications:

Suitable for petroleum-based hydraulic fluid, lubricants and fuel oil.

For applications suitable up to 100 bar.

Temperature range:

–10 up to +100 °C.

Stainless Steel

Materials:

Body made of stainless steel, ball of stainless steel, stem and connectors of stainless steel.

Seals:

Ball seat of POM (e. g. Delrin), stem seal of NBR (e. g. Perbunan), DOZ from function nut FPM (e. g. Viton).

Applications:

Suitable for petroleum-based hydraulic fluid, lubricants and fuel oil.

For applications suitable up to 100 bar.

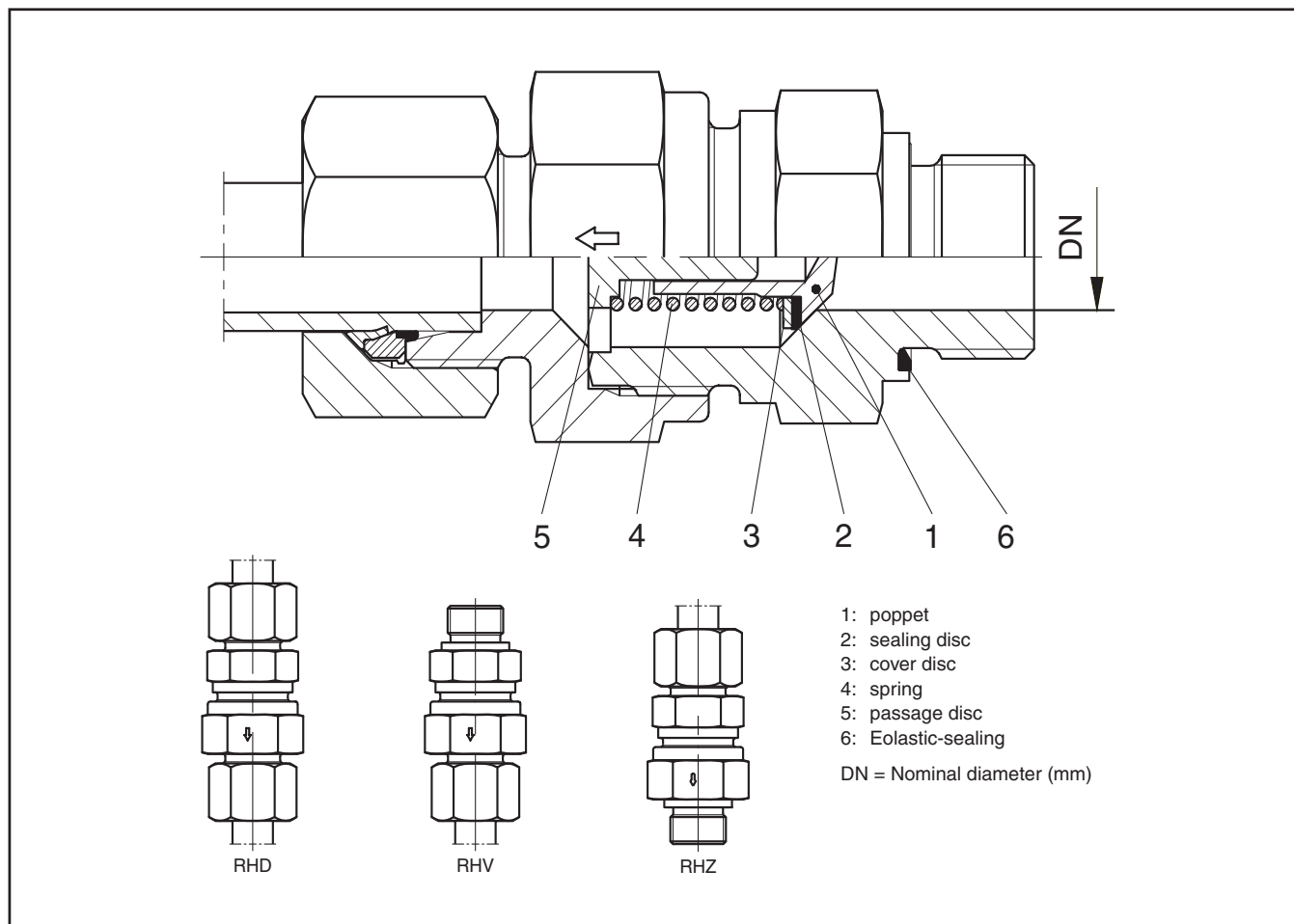
Temperature range:

–30 up to +100 °C.

Notes:

To assess the suitability of valves for specific applications, please advise us of the exact specification of the medium to be used, max. working pressure incl. pressure peaks, temperature and frequency of valve operations. If water is used, indicate type of water or additives, if any.

RHD/V/Z non return valve



Characteristics:

Poppet check valve with a 90° valve seat with an elastomere sealing disc. Poppet stop for controlled valve opening. Damped opening action to minimize shock and noise. No reduction of cross section. Maximum flow velocity not more than 8 m/sec (for higher flow velocities special tests are required). Sealing of male stud thread by Eolastic soft seal with types RHV and RHZ.

Opening pressure:

Standard 1 bar (on request also 0.2, 0.5, 2, 3, 4, 5 and 6 bar are available; please specify on order). For working pressure see appropriate tables. Cracking pressure tolerance: $\pm 20\%$.

Material:

- Steel zinc-plated (A3C) or (CF chromium⁶-free), seals in NBR (e.g. Perbunan*), or (e.g. Viton*) on request.

- Stainless steel valves have FKM (e.g. Viton*) as standard.
(Up to 3 bar cracking pressure)
- Brass-valves (CuZn35Ni2 2.0540) with internals (1.4571) available on request.
(Up to 3 bar cracking pressure)

Assembly:

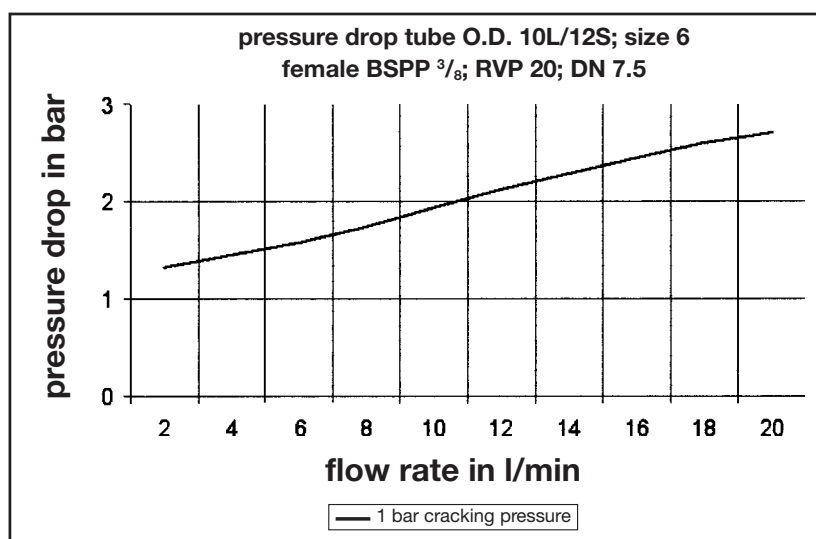
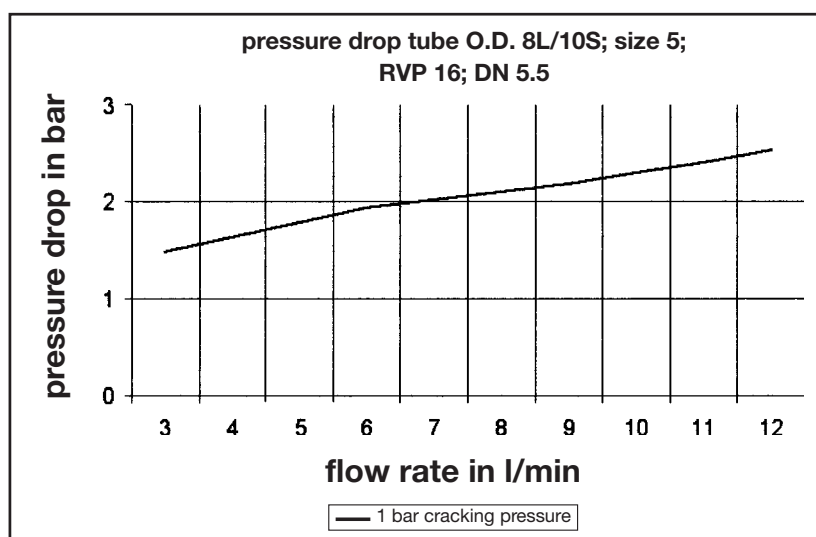
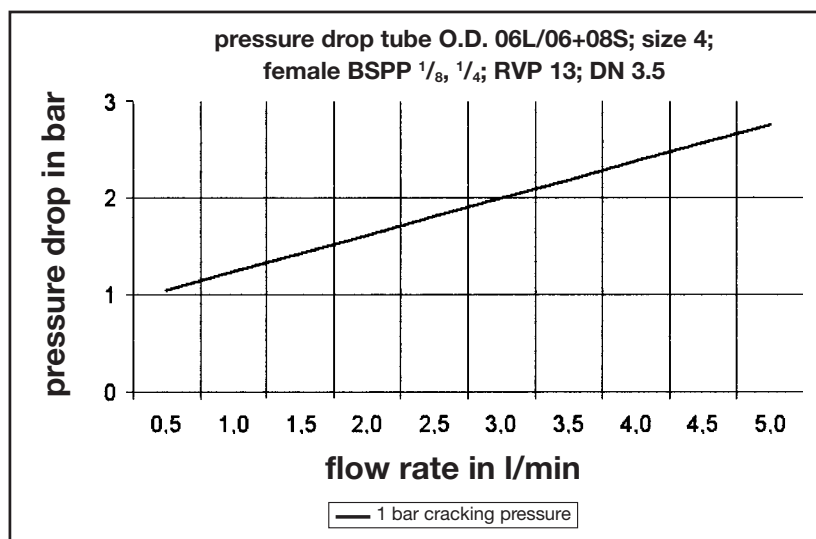
See assembly instructions for EO/EO 2 connections. Non-return valves are all packaged against contamination.

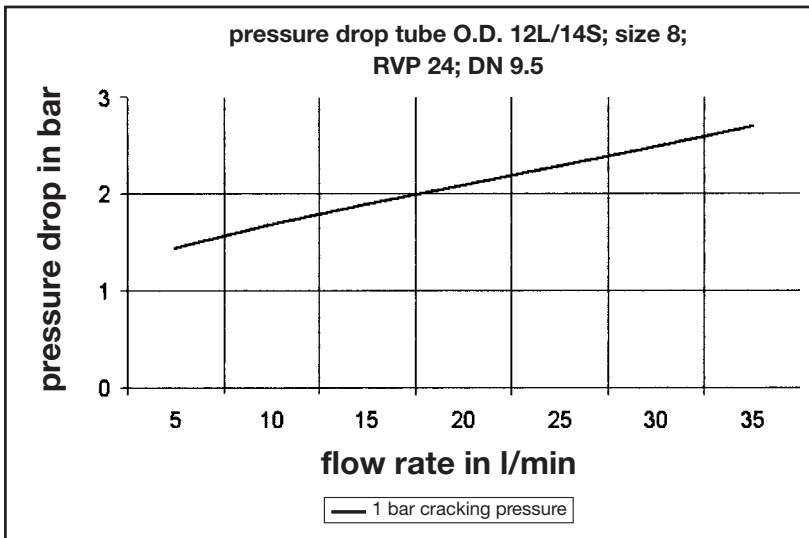
Media:

Hydraulic oil, low flammability hydraulic fluids (except for types HFC: for HFD types; FKM seals are necessary). Please indicate on order if used with compressed air. Not suitable for steam, combustible/explosive gases, or oxygen. For water applications, please consult Parker with details of water and any additives.

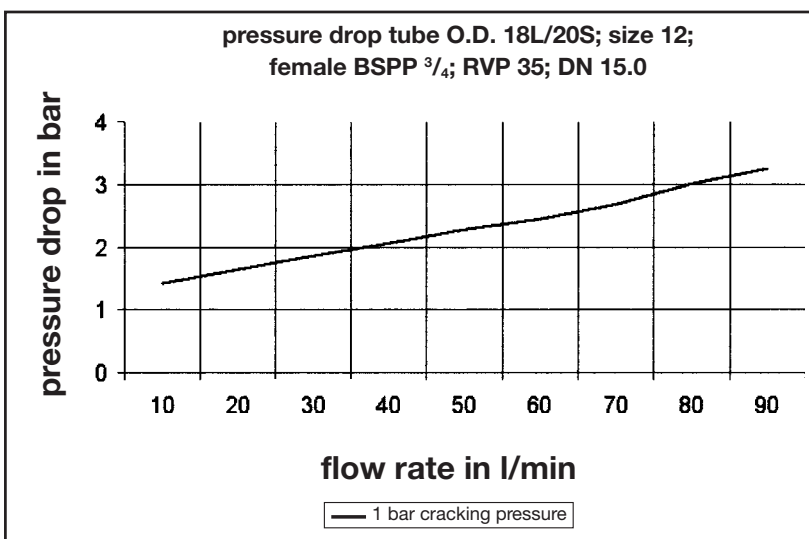
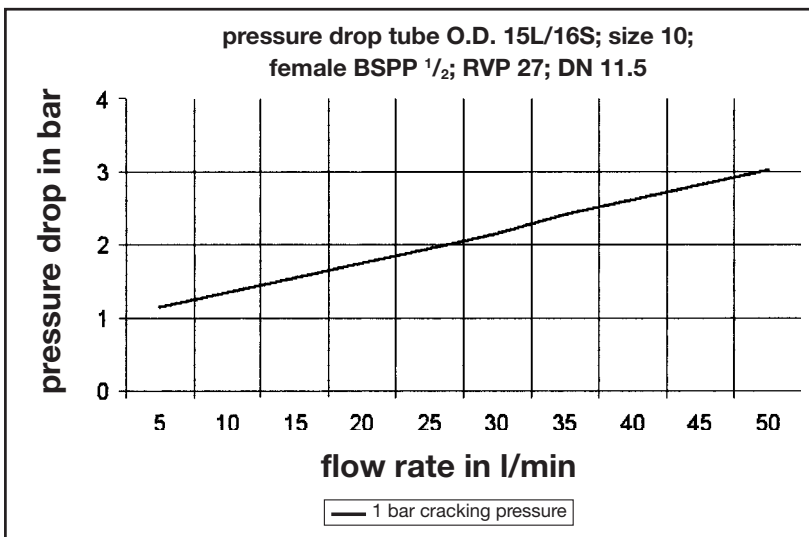
*Perbunan and Viton are registered trademarks of Bayer and Dupont.

In all diagrams is the peak value of the flow rate in l/min. relating to the maximum permissible flow velocity of 8 m/sec.

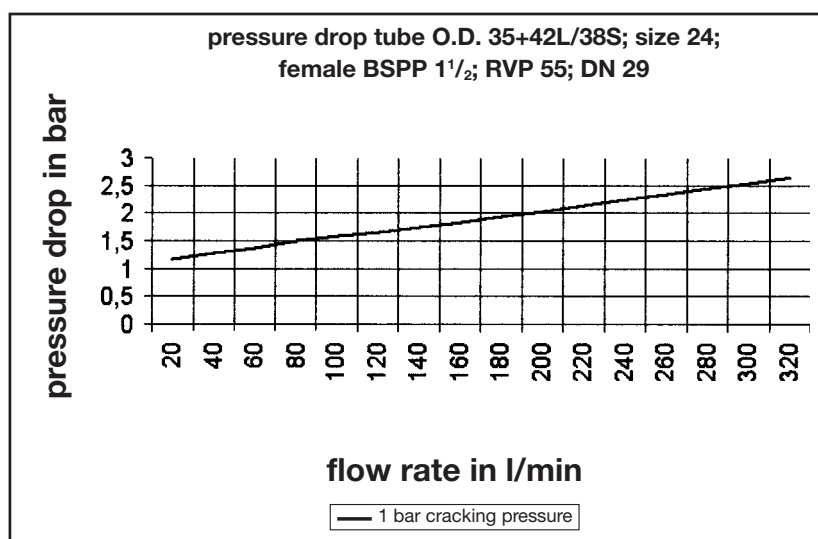
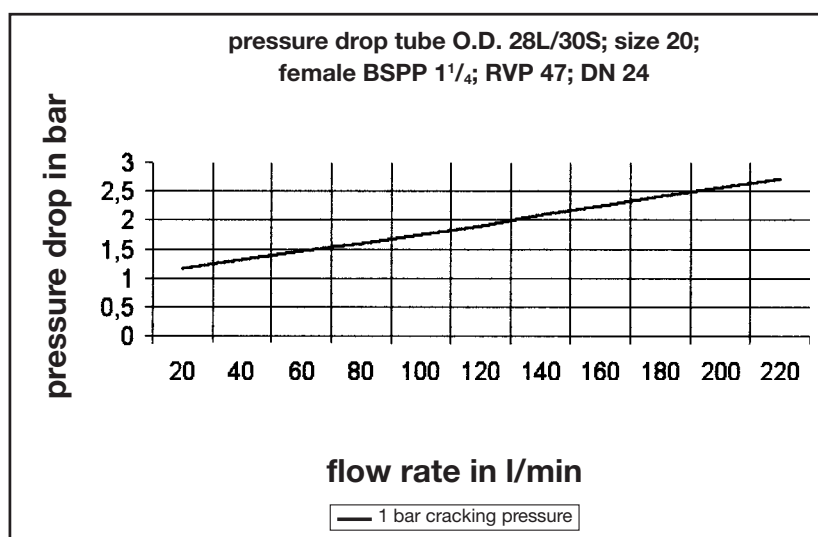
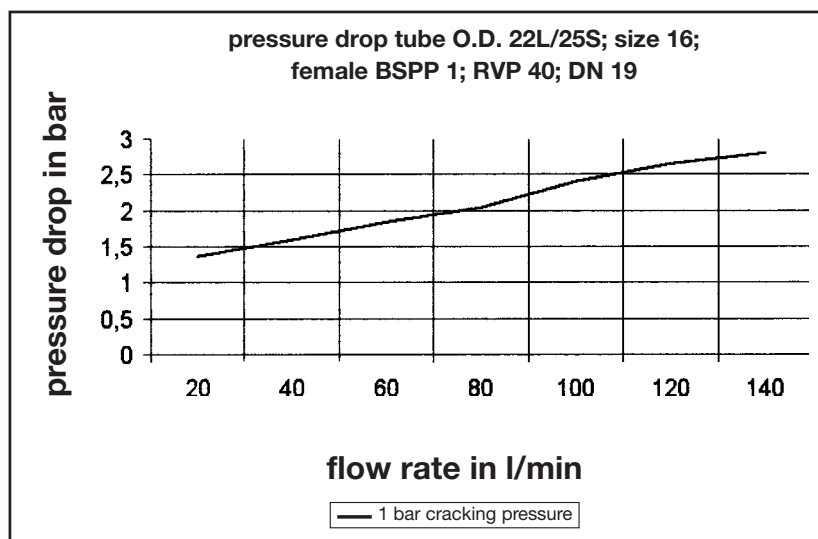




In all diagrams is the peak value of the flow rate in l/min. relating to the maximum permissible flow velocity of 8 m/sec.

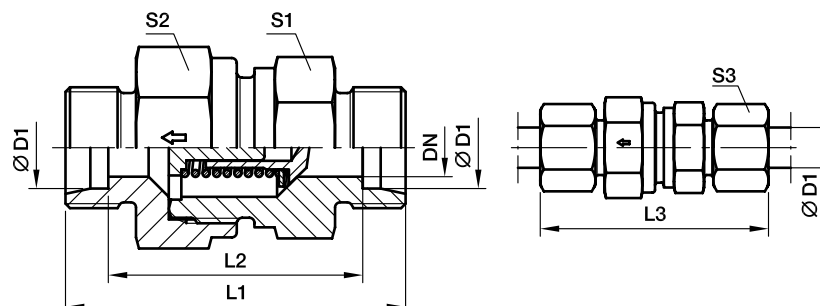


In all diagrams is the peak value of the flow rate in l/min. relating to the maximum permissible flow velocity of 8 m/sec.



RHD Non return valve

EO 24° cone end / EO 24° cone end



Series	D1 	DN	L1	L2	L3	S1	S2	S3	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
											CF	A3C	71
L ³⁾	06	3.5	43	29.0	58.0	17	17	14	46	RHD06LOMD	400	250	250
	08	5.5	44	30.0	59.0	19	19	17	61	RHD08LOMD	400	250	250
	10	7.5	54.5	40.5	69.5	22	24	19	104	RHD10LOMD	400	250	250
	12	9.5	57.5	43.5	72.5	27	30	22	166	RHD12LOMD	400	250	250
	15	11.5	61.5	47.5	77.5	27	32	27	192	RHD15LOMD	400	250	250
	18	14.0	66.5	51.5	83.5	36	36	32	292	RHD18LOMD	400	160	160
	22	18.0	76.5	61.5	93.5	41	46	36	472	RHD22LOMD	250	160	160
	28	23.0	84.5	69.5	102.5	50	55	41	746	RHD28LOMD	250	100	100
	35	29.0	95.5	74.5	117.5	60	60	50	1062	RHD35LOMD	250	100	100
	42	29.0	96	74.0	119.0	65	70	60	1518	RHD42LOMD	250	100	100
S ⁴⁾	06	3.5	48.5	34.5	63.5	19	19	17	70	RHD06SOMD	420	400	400
	08	3.5	48.5	34.5	63.5	19	19	19	74	RHD08SOMD	420	400	400
	10	5.5	55.5	40.5	72.5	22	24	22	121	RHD10SOMD	420	400	400
	12	7.5	57.5	42.5	74.5	24	27	24	148	RHD12SOMD	420	400	400
	14	9.5	63.5	47.5	82.5	27	32	27	218	RHD14SOMD	420	315	315
	16	11.5	67.5	50.5	86.5	32	36	30	286	RHD16SOMD	420	315	315
	20	15.0	75.5	54.5	97.5	41	46	36	506	RHD20SOMD	420	250	250
	25	19.0	82.5	58.5	106.5	46	50	46	639	RHD25SOMD	420	250	250
	30	24.0	96.5	69.5	122.5	60	60	50	1157	RHD30SOMD	250	250	250
	38	29.0	107.5	75.5	136.5	65	70	60	1650	RHD38SOMD	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series; ⁴⁾ S = heavy series

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

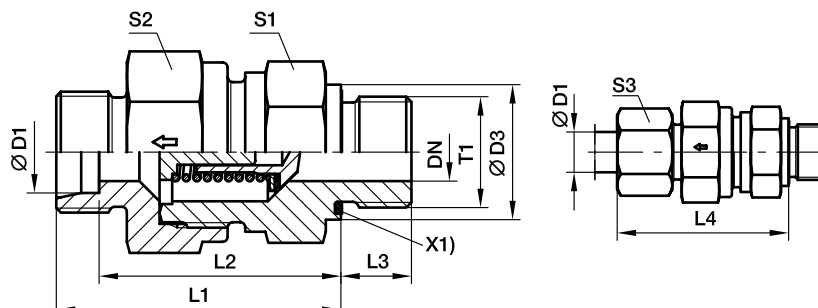
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶⁾ -free	CF	RHD06LOMDCF	NBR
Steel, zinc yellow plated	A3C	RHD06LOMDA3C	NBR
Stainless steel	71	RHD06LOMD71	VIT

RHV-R-ED Non return valve

EO 24° cone end / Male BSPP thread – ED-seal (ISO 1179)



X1) Elastic sealing

Series	D1	T1	DN	D3	L1	L2	L3	L4	S1	S2	S3	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
														CF	A3C	71
L ³⁾	06	G 1/8 A	3.5	14	35	28.0	8	42.5	17	17	14	47	RHV06LREDOMD	400	250	250
	08	G 1/4 A	5.5	19	37	30.0	12	44.5	19	19	17	62	RHV08LREDOMD	400	250	250
	10	G 1/4 A	7.5	19	45.5	38.5	12	53.0	22	24	19	105	RHV10LREDOMD	400	250	250
	12	G 3/8 A	9.5	22	49.5	42.5	12	57.0	27	30	22	175	RHV12LREDOMD	400	250	250
	15	G 1/2 A	11.5	27	52.5	45.5	14	60.5	27	32	27	205	RHV15LREDOMD	400	250	250
	18	G 1/2 A	14.0	27	57.5	50.0	14	66.0	36	36	32	294	RHV18LREDOMD	400	160	160
	22	G 3/4 A	18.0	32	62.5	55.0	16	71.0	41	46	36	450	RHV22LREDOMD	250	160	160
	28	G 1 A	23.0	40	70.5	63.0	18	79.5	50	55	41	720	RHV28LREDOMD	250	100	100
	35	G 1 1/4 A	29.0	50	79.5	69.0	20	90.5	60	60	50	1050	RHV35LREDOMD	250	100	100
	42	G 1 1/2 A	29.0	55	79.5	68.5	22	91.0	65	70	60	1560	RHV42LREDOMD	250	100	100
S ⁴⁾	06	G 1/4 A	3.5	19	38.5	31.5	12	46.0	19	19	17	73	RHV06SREDOMD	420	400	400
	08	G 1/4 A	3.5	19	38.5	31.5	12	46.0	19	19	19	79	RHV08SREDOMD	420	400	400
	10	G 3/8 A	5.5	22	45.5	38.0	12	54.0	22	24	22	132	RHV10SREDOMD	420	400	400
	12	G 3/8 A	7.5	22	48.5	41.0	12	57.0	24	27	24	153	RHV12SREDOMD	420	400	400
	14	G 1/2 A	9.5	27	52.5	44.5	14	62.0	27	32	27	230	RHV14SREDOMD	420	315	315
	16	G 1/2 A	11.5	27	56.5	48.0	14	66.0	32	36	30	293	RHV16SREDOMD	420	315	315
	20	G 3/4 A	15.0	32	62.5	52.0	16	73.5	41	46	36	511	RHV20SREDOMD	420	250	250
	25	G 1 A	19.0	40	66.5	54.5	18	78.5	46	50	46	648	RHV25SREDOMD	420	250	250
	30	G 1 1/4 A	24.0	50	77.5	64.0	20	90.5	60	60	50	1176	RHV30SREDOMD	250	250	250
	38	G 1 1/2 A	29.0	55	85.5	69.5	22	100.0	65	70	60	1624	RHV38SREDOMD	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series; ⁴⁾ S = heavy series

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

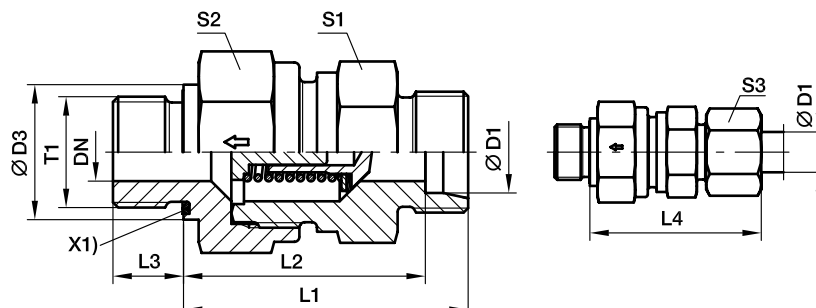
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶⁾ -free	CF	RHV06LREDOMDCF	NBR
Steel, zinc yellow plated	A3C	RHV06LREDOMDA3C	NBR
Stainless steel	71	RHV06LREDOMD71	VIT

RHZ-R-ED Non return valve

Male BSPP thread – ED-seal (ISO 1179) / EO 24° cone end



X1) Eolastic sealing

Series	D1	T1	DN	D3	L1	L2	L3	L4	S1	S2	S3	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
														CF	A3C	71
L ³⁾	06	G 1/8 A	3.5	14	33.5	26.5	8	41.0	17	17	14	44	RHZ06LREDOMD	400	250	250
	08	G 1/4 A	5.5	19	35.5	28.5	12	43.0	19	19	17	59	RHZ08LREDOMD	400	250	250
	10	G 1/4 A	7.5	19	45.5	38.5	12	53.0	22	24	19	125	RHZ10LREDOMD	400	250	250
	12	G 3/8 A	9.5	22	47.5	40.5	12	55.0	27	30	22	161	RHZ12LREDOMD	400	250	250
	15	G 1/2 A	11.5	27	49.5	42.5	14	57.5	27	32	27	186	RHZ15LREDOMD	400	250	250
	18	G 1/2 A	14.0	27	55.5	48.0	14	64.0	36	36	32	275	RHZ18LREDOMD	400	160	160
	22	G 3/4 A	18.0	32	63.5	56.0	16	72.0	41	46	36	463	RHZ22LREDOMD	250	160	160
	28	G 1 A	23.0	40	71.5	64.0	18	80.5	50	55	41	721	RHZ28LREDOMD	250	100	100
	35	G 1 1/4 A	29.0	50	80.5	70.0	20	91.5	60	60	50	1073	RHZ35LREDOMD	250	100	100
	42	G 1 1/2 A	29.0	55	81.5	70.5	22	93.0	65	70	60	1602	RHZ42LREDOMD	250	100	100
S ⁴⁾	06	G 1/4 A	3.5	19	38.5	31.5	12	46.0	19	19	17	71	RHZ06SREDOMD	420	400	400
	08	G 1/4 A	3.5	19	38.5	31.5	12	46.0	19	19	19	74	RHZ08SREDOMD	420	400	400
	10	G 3/8 A	5.5	22	45.5	38.0	12	54.0	22	24	22	128	RHZ10SREDOMD	420	400	400
	12	G 3/8 A	7.5	22	48.5	41.0	12	57.0	24	27	24	152	RHZ12SREDOMD	420	400	400
	14	G 1/2 A	9.5	27	51.5	43.5	14	61.0	27	32	27	223	RHZ14SREDOMD	420	315	315
	16	G 1/2 A	11.5	27	54.5	46.0	14	64.0	32	36	30	275	RHZ16SREDOMD	420	315	315
	20	G 3/4 A	15.0	32	60.5	50.0	16	71.5	41	46	36	490	RHZ20SREDOMD	420	250	250
	25	G 1 A	19.0	40	66.5	54.5	18	78.5	46	50	46	647	RHZ25SREDOMD	420	250	250
	30	G 1 1/4 A	24.0	50	77.5	64.0	20	90.5	60	60	50	1180	RHZ30SREDOMD	250	250	250
	38	G 1 1/2 A	29.0	55	87.5	71.5	22	102.0	65	70	60	1670	RHZ38SREDOMD	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series; ⁴⁾ S = heavy series

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

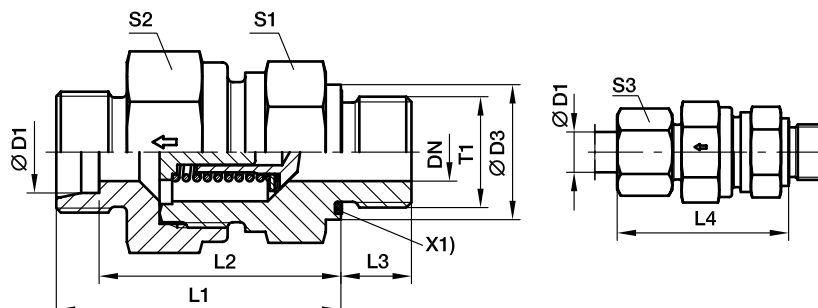
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	RHZ06LREDOMDCF	NBR
Steel, zinc yellow plated	A3C	RHZ06LREDOMDA3C	NBR

RHV-M-ED Non return valve

EO 24° cone end / Male metric thread – ED-seal (ISO 9974)



X1) Eolastic sealing

Series	D1	T1	DN	D3	L1	L2	L3	L4	S1	S2	S3	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
														CF	A3C	71
L ³⁾	06	M 10×	3.5	14	35	28.0	8	42.5	17	17	14	46	RHV06LMEDOMD	400	250	250
	08	M 12×1.5	5.5	17	36	29.0	12	43.5	19	19	17	58	RHV08LMEDOMD	400	250	250
	10	M 14×1.5	7.5	19	45.5	38.5	12	53.0	22	24	19	108	RHV10LMEDOMD	400	250	250
	12	M 16×1.5	9.5	22	49.5	42.5	12	57.0	27	30	22	173	RHV12LMEDOMD	400	250	250
	15	M 18×1.5	11.5	24	52.5	45.5	12	60.5	27	32	27	192	RHV15LMEDOMD	400	250	250
	18	M 22×1.5	14.0	27	57.5	50.0	14	66.0	36	36	32	298	RHV18LMEDOMD	400	160	160
	22	M 26×1.5	18.0	32	62.5	55.0	16	71.0	41	46	36	446	RHV22LMEDOMD	250	160	160
	28	M 33×2	23.0	40	70.5	63.0	18	79.5	50	55	41	722	RHV28LMEDOMD	250	100	100
	35	M 42×2	29.0	50	79.5	69.0	20	90.5	60	60	50	1053	RHV35LMEDOMD	250	100	100
	42	M 48×2	29.0	55	79.5	68.5	22	91.0	65	70	60	1563	RHV42LMEDOMD	250	100	100
S ⁴⁾	06	M 12×1.5	3.5	17	38.5	31.5	12	46.0	19	19	17	70	RHV06SMEDOMD	420	400	400
	08	M 14×1.5	3.5	19	38.5	31.5	12	46.0	19	19	19	76	RHV08SMEDOMD	420	400	400
	10	M 16×1.5	5.5	22	45.5	38.0	12	54.0	22	24	22	124	RHV10SMEDOMD	420	400	400
	12	M 18×1.5	7.5	24	48.5	41.0	12	57.0	24	27	24	157	RHV12SMEDOMD	420	400	400
	14	M 20×1.5	9.5	26	52.5	44.5	14	62.0	27	32	27	215	RHV14SMEDOMD	420	315	315
	16	M 22×1.5	11.5	27	56.5	48.0	14	66.0	32	36	30	296	RHV16SMEDOMD	420	315	315
	20	M 27×2	15.0	32	62.5	52.0	16	73.5	41	46	36	521	RHV20SMEDOMD	420	250	250
	25	M 33×2	19.0	40	66.5	54.5	18	78.5	46	50	46	648	RHV25SMEDOMD	420	250	250
	30	M 42×2	24.0	50	77.5	64.0	20	90.5	60	60	50	1178	RHV30SMEDOMD	250	250	250
	38	M 48×2	29.0	55	85.5	69.5	22	100.0	65	70	60	1627	RHV38SMEDOMD	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series; ⁴⁾ S = heavy series

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

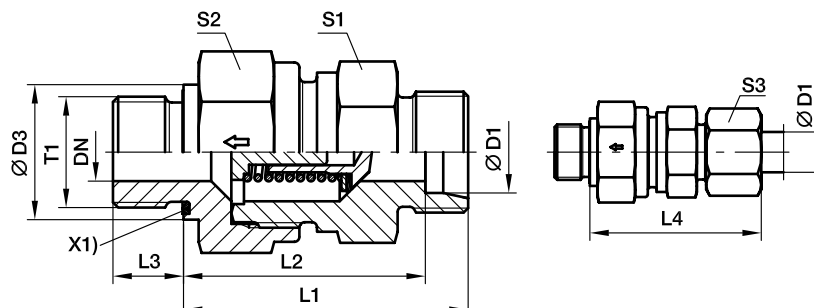
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶⁾ -free	CF	RHV06LMEDOMDCF	NBR
Steel, zinc yellow plated	A3C	RHV06LMEDOMDA3C	NBR
Stainless steel	71	RHV06LMEDOMD71	VIT

RHZ-M-ED Non return valve

Male metric thread – ED-seal (ISO 9974) / EO 24° cone end



X1) Eolastic sealing

Series	D1	T1	DN	D3	L1	L2	L3	L4	S1	S2	S3	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
														CF	A3C	71
L ³⁾	06	M 10×1	3.5	14	33.5	26.5	8	41.0	17	17	14	44	RHZ06LMEDOMD	400	250	250
	08	M 12×1.5	5.5	17	35.5	28.5	12	43.0	19	19	17	58	RHZ08LMEDOMD	400	250	250
	10	M 14×1.5	7.5	19	45.5	38.5	12	53.0	22	24	19	104	RHZ10LMEDOMD	400	250	250
	12	M 16×1.5	9.5	22	47.5	40.5	12	55.0	27	30	22	169	RHZ12LMEDOMD	400	250	250
	15	M 18×1.5	11.5	24	49.5	42.5	12	57.5	27	32	27	174	RHZ15LMEDOMD	400	250	250
	18	M 22×1.5	14.0	27	55.5	48.0	14	64.0	36	36	32	279	RHZ18LMEDOMD	400	160	160
	22	M 26×1.5	18.0	32	63.5	56.0	16	72.0	41	46	36	459	RHZ22LMEDOMD	250	160	160
	28	M 33×2	23.0	40	71.5	64.0	18	80.5	50	55	41	721	RHZ28LMEDOMD	250	100	100
	35	M 42×2	29.0	50	80.5	70.0	20	91.5	60	60	50	1078	RHZ35LMEDOMD	250	100	100
	42	M 48×2	29.0	55	81.5	70.5	22	93.0	65	70	60	1601	RHZ42LMEDOMD	250	100	100
S ⁴⁾	06	M 12×1.5	3.5	17	38.5	31.5	12	46.0	19	19	17	70	RHZ06SMEDOMD	420	400	400
	08	M 14×1.5	3.5	19	38.5	31.5	12	46.0	19	19	19	75	RHZ08SMEDOMD	420	400	400
	10	M 16×1.5	5.5	22	45.5	38.0	12	54.0	22	24	22	123	RHZ10SMEDOMD	420	400	400
	12	M 18×1.5	7.5	24	48.5	41.0	12	57.0	24	27	24	157	RHZ12SMEDOMD	420	400	400
	14	M 20×1.5	9.5	26	51.5	43.5	14	61.0	27	32	27	214	RHZ14SMEDOMD	420	315	315
	16	M 22×1.5	11.5	27	54.5	46.0	14	64.0	32	36	30	279	RHZ16SMEDOMD	420	315	315
	20	M 27×2	15.0	32	60.5	50.0	16	71.5	41	46	36	487	RHZ20SMEDOMD	420	250	250
	25	M 33×2	19.0	40	66.5	54.5	18	78.5	46	50	46	647	RHZ25SMEDOMD	420	250	250
	30	M 42×2	24.0	50	77.5	64.0	20	90.5	60	60	50	1180	RHZ30SMEDOMD	250	250	250
	38	M 48×2	29.0	55	87.5	71.5	22	102.0	65	70	60	1669	RHZ38SMEDOMD	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series; ⁴⁾ S = heavy series

$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

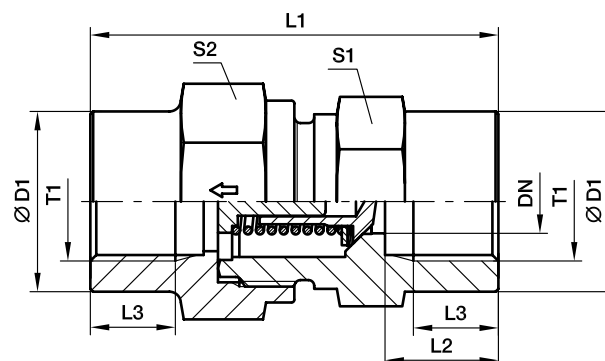
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional. suffix needed)
Steel, zinc plated., chrome ⁶⁾ -free	CF	RHZ06LMEDOMDCF	NBR
Steel, zinc yellow plated	A3C	RHZ06LMEDOMDA3C	NBR
Stainless steel	71	RHZ06LMEDOMD71	VIT

RHDI Non return valve

Female BSPP thread (ISO 1179-1) / Female BSPP thread (ISO 1179-1)



Series	T1	DN	D1	L1	L2	L3	S1	S2	Weight g/1 piece	Order code*	CF	A3C ¹⁾	71
L ³⁾	G11/18	3.5	19	42.5	12.0	8.0	19	19	76	RHDI1/8	400	400	400
	G 1/4	3.5	19	51.0	16.0	12.0	19	19	82	RHDI1/4	400	400	400
	G 3/8	7.5	24	60.0	17.0	12.0	24	27	157	RHDI3/8	400	400	400
	G 1/2	11.5	32	72.0	20.0	15.0	32	36	344	RHDI1/2	315	315	315
	G 3/4	15.0	41	84.0	22.0	16.5	41	46	664	RHDI3/4	250	250	250
	G 1	19.0	46	95.0	25.5	19.0	46	50	821	RHDI1	250	250	250
	G 1 1/4	24.0	60	110.0	28.0	21.5	60	60	1581	RHDI1 1/4	250	250	250
	G 1 1/2	29.0	65	114.0	28.5	22.0	65	70	1919	RHDI1 1/2	250	250	250

¹⁾ Pressure shown = item deliverable

³⁾ L = light series

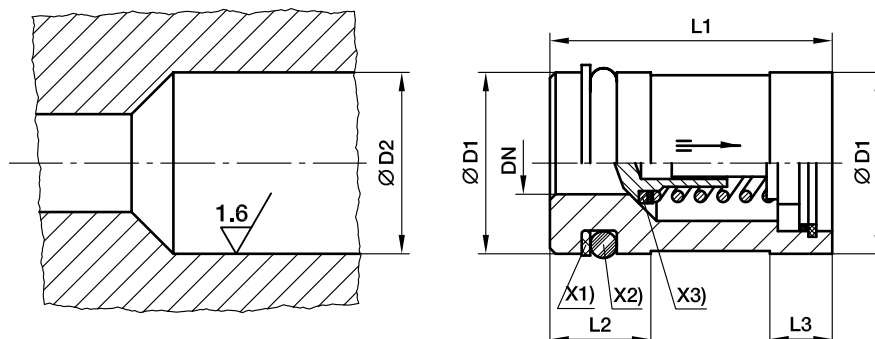
$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$

Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶⁾ -free	CF	RHDI1/8CF	NBR
Steel, zinc yellow plated	A3C	RHDI1/8A3C	NBR
Stainless steel	71	RHDI1/871	VIT

*Please add the **suffixes**
below according to the material/
surface required.

RVP Non return valve cartridge



X1) Supporting ring PTFE

X2) O-ring NBR

X3) Sealing disc NBR

Valve ITL	DN	D1	D2	L1 ±0,15	L2	L3	O-ring	Supporting ring	Weight g/1 piece	Order code*	PN (bar) ¹⁾		
											CF	A3C	71
6-L/6u.8-S	3.5	12.945 ±0.055	13 ^{+0.12 +0.05}	23.15	9.5	6.0	8.3×2.4	SRA 13-2.05-1.0	21	RVP13	420	400	400
8-L/10-S	5.5	15.945 ±0.055	16 ^{+0.12 +0.05}	26.65	9.5	6.5	11.3×2.4	SRA 16-2.05-1.0	32	RVP16	420	400	400
10-L/12-S	7.5	19.935 ±0.065	20 ^{+0.142 +0.065}	30.15	9.5	6.5	15.3×2.4	SRA 20-2.05-1.0	54	RVP20	420	400	400
12-L/14-S	9.5	23.935 ±0.065	24 ^{+0.149 +0.065}	35.15	12.0	7.5	18.2×3	SRA 24-2.6-1.0	80	RVP24	420	315	315
15-L/16-S	11.5	26.935 ±0.065	27 ^{+0.149 +0.065}	38.15	12.0	7.5	21.2×3	SRA 27-2.6-1.0	105	RVP27	420	315	315
18-L/20-S	15.0	34.92 ±0.08	35 ^{+0.18 +0.08}	44.65	12.0	9.5	29.2×3	SRA 35-2.5-1.0	204	RVP35	420	250	250
22-L/25-S	19.0	39.92 ±0.08	40 ^{+0.18 +0.08}	50.65	12.0	11.0	34.2×3	SRA 40-2.5-1.0	275	RVP40	420	250	250
28-L/30-S	24.0	46.92 ±0.08	47 ^{+0.18 +0.08}	60.15	13.0	13.0	41.2×3	SRA 47-2.6-1.5	412	RVP47	250	250	250
35-L/38-S	29.0	54.905 ±0.095	55 ^{+0.22 +0.1}	70.15	16.0	13.0	44.2×5.7	SRA 55-5.1-1.5	607	RVP55	250	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{PN \text{ (bar)}}{10} = PN \text{ (MPa)}$$

Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

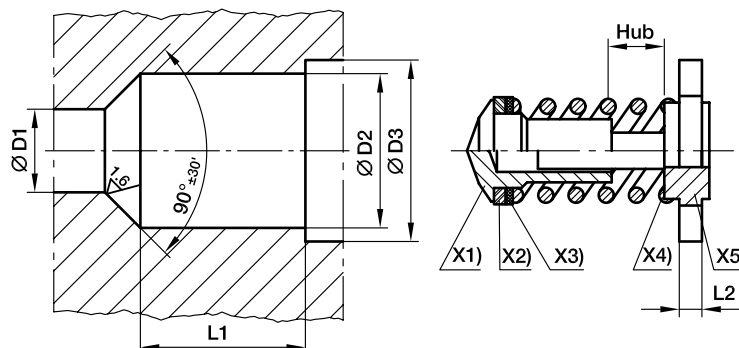


*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	RHP13CF	NBR
Steel, zinc yellow plated	A3C	RHP13A3C	NBR
Stainless steel	71	RHP1371	VIT

I-TL Internal parts of non return valve

- X1) poppet
 X2) sealing disc (smooth side to the poppet)
 X3) cover disc
 X4) spring
 X5) passage disc



Series	Tube O.D.	D1 ^{+0.1}	D2 ^{+0.1}	D3 ^{+0.1}	L1 ^{±0.1}	L2	Hub	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
										A3C	71
L/S/S	06/06/08	3.5	7.5	8.6	8.2	2.0	1.0	2	ITL06L/06+08S	*	*
L/S	08/10	5.5	10.2	11.6	11.0	2.0	1.7	4	ITL08L/10S	*	*
L/S	10/12	7.5	13.0	14.1	14.0	2.0	2.3	7	ITL10L/12S	*	*
L/S	12/14	9.5	16.7	18.1	16.5	2.5	2.9	13	ITL12L/14S	*	*
L/S	15/16	11.5	19.5	20.6	19.0	2.5	3.5	18	ITL15L/16S	*	*
L/S	18/20	15.0	25.2	27.1	22.5	3.0	4.4	37	ITL18L/20S	*	*
L/S	22/25	19.0	30.8	32.6	27.0	3.0	5.5	54	ITL22L/25S	*	*
L/S	28/30	24.0	38.6	40.6	32.5	3.5	7.3	107	ITL28L/30S	*	*
L/L/S	35/38/42	29.0	45.7	48.1	37.5	3.5	8.9	144	ITL35L+42I/38S	*	*

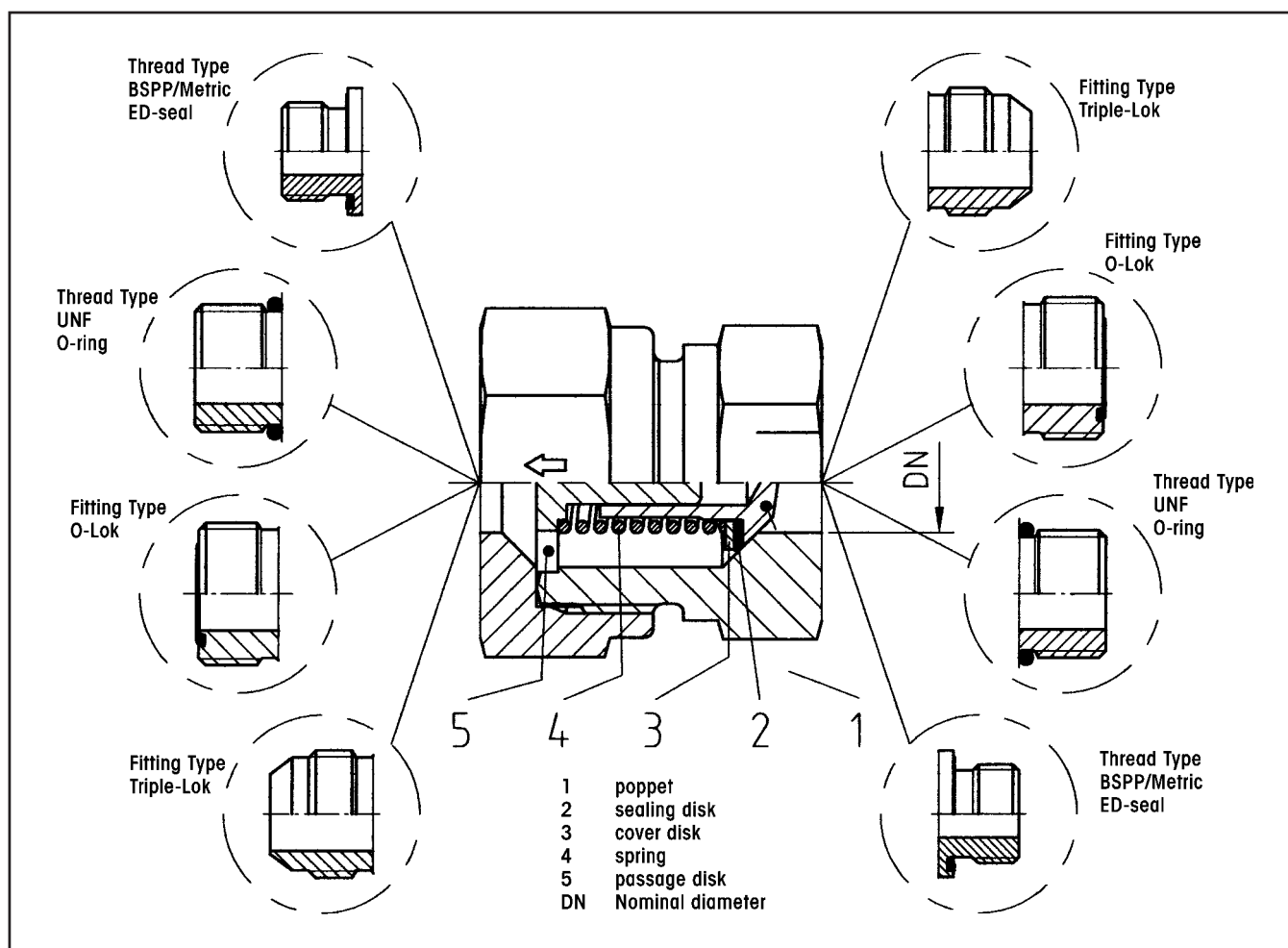
* = item deliverable

Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional. suffix needed)
Steel, zinc yellow plated	A3C	ITL06L/06+008S	NBR
Stainless steel	71	ITL06L71/06+008S	VIT

RHD/V/Z Non return valves with O-Lok® or Triple-Lok® connections



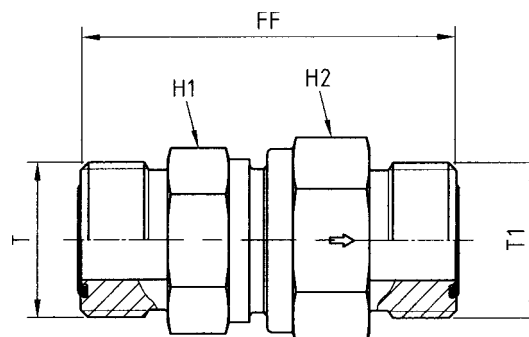
Material:

- Steel zinc-plated (A3C) or (CF chromium⁶-free), seals in NBR (e.g. Perbunan*)
- Internal parts in stainless steel with FKM (Viton) also available on request.



RHDMLOS Non return valve

O-Lok® ORFS end / O-Lok® ORFS end



Tube 1 O.D.		Tube 2 O.D.		ORFS (UN/UNF thread T	ORFS (UN/UNF) thread T1	H1	H2	FF	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	mm	Inch									CF	A3C
6	1/4	6	1/4	9/16-18UNF	9/16-18UNF	19	19	44.5	3.5	108	4RHDMLOS	420	400
8, 10	5/16, 3/8	8, 10	5/16, 3/8	11/16-16UNF	11/16-16UNF	22	24	53.5	5.5	188	6RHDMLOS	420	400
12	1/2	12	1/2	13/16-16UNF	13/16-16UNF	24	27	59.5	7.5	223	8RHDMLOS	420	400
14, 15, 16	5/8	14, 15, 16	5/8	1-14UNF	1-14UNF	32	36	70.5	11.5	428	10RHDMLOS	420	315
18, 20	3/4	18, 20	3/4	1 3/16-12UNF	1 3/16-12UNF	41	46	77.5	15.0	731	12RHDMLOS	420	250
22, 25	1	22, 25	1	1 7/16-12UNF	1 7/16-12UNF	46	50	81.5	19.0	1076	16RHDMLOS	420	250
28, 30, 32	1 1/4	28, 30, 32	1 1/4	1 11/16-12UNF	1 11/16-12UNF	60	60	91.5	24.0	1630	20RHDMLOS	250	250
35, 38	1 1/2	35, 38	1 1/2	2-12UNF	2-12UNF	65	70	98.5	29.0	2362	24RHDMLOS	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

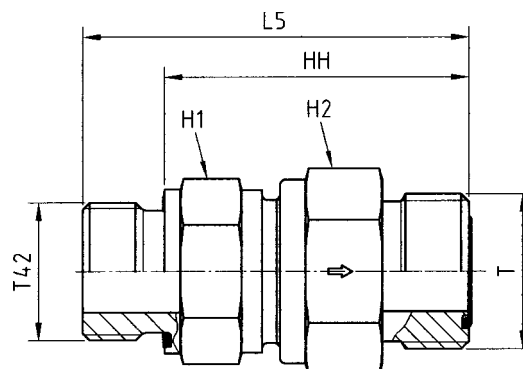
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHDMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHDMLOS	NBR

RHV42EDMLOS Non return valve

Male BSPP thread – ED-seal (ISO 1179) / O-Lok® ORFS end



Tube O.D.		BSPP thread	ORFS (UN/UNF) thread T					DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	T42		H1	H2	L5	HH				CF	A3C
6	1/4	G 1/8	9/16-18UNF	19	19	44.5	36.5	3.5	92	4RHV42EDMLOS	420	400
8, 10	5/16, 3/8	G 1/4	11/16-16UNF	22	24	56.5	44.5	6.5	165	6RHV42EDMLOS	420	400
12	1/2	G 3/8	13/16-16UNF	24	27	61.5	49.5	7.5	191	8RHV42EDMLOS	420	400
14, 15, 16	5/8	G 1/2	1-14UNF	32	36	70.0	56.0	11.5	366	10RHV42EDMLOS	420	315
18, 20	3/4	G 3/4	1 3/16-12UNF	41	46	77.5	63.5	15.0	631	12RHV42EDMLOS	420	250
22, 25	1	G 1	1 7/16-12UNF	46	50	84.0	66.0	19.0	863	16RHV42EDMLOS	420	250
28, 30, 32	1 1/4	G 1 1/4	1 11/16-12UNF	60	60	95.0	75.0	24.0	1403	20RHV42EDMLOS	250	250
35, 38	1 1/2	G 1 1/2	2-12UNF	65	70	105.0	83.0	29.0	1969	24RHV42EDMLOS	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

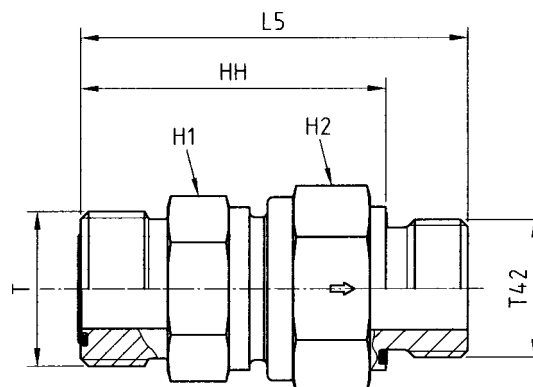
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHV42EDMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHV42EDMLOS	NBR

RHZ42EDMLOS Non return valve

O-Lok® ORFS end / Male BSPP thread – ED-seal (ISO 1179)



Tube O.D.		BSPP thread	ORFS (UN/UNF) thread T					DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	T42		H1	H2	L5	HH				CF	A3C
6	1/4	G 1/8	9/16-18UNF	19	19	44.5	36.5	3.5	91	4RHZ42EDMLOS	420	400
8, 10	5/16, 3/8	G 1/4	11/16-16UNF	22	24	56.5	44.5	6.5	161	6RHZ42EDMLOS	420	400
12	1/2	G 3/8	13/16-16UNF	24	27	61.5	49.5	7.5	190	8RHZ42EDMLOS	420	400
14, 15, 16	5/8	G 1/2	1-14UNF	32	36	70.0	56.0	11.5	348	10RHZ42EDMLOS	420	315
18, 20	3/4	G 3/4	1 3/16-12UNF	41	46	77.5	53.5	15.0	634	12RHZ42EDMLOS	420	250
22, 25	1	G 1	1 7/16-12UNF	46	50	84.0	66.0	19.0	863	16RHZ42EDMLOS	420	250
28, 30, 32	1 1/4	G 1 1/4	1 11/16-12UNF	60	60	95.0	75.0	24.0	1397	20RHZ42EDMLOS	250	250
35, 38	1 1/2	G 1 1/2	2-12UNF	65	70	105.0	83.0	29.0	2001	24RHZ42EDMLOS	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

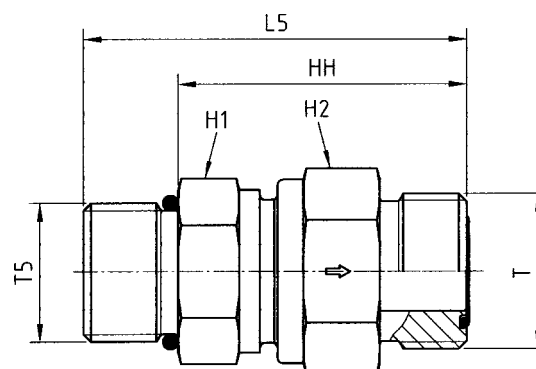
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHZ42EDMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHZ42EDMLOS	NBR

RHV50MLOS Non return valve

Male UN/UNF thread – O-ring (ISO 11926) / O-Lok® ORFS end



Tube O.D.		UNF male thread T5	ORFS (UN/UNF) thread T	H1	H2	L5	HH	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	7/16-20UNF	9/16-18UNF	19	19	45.5	34.5	3.5	92	4RHV50MLOS	420	400
8, 10	5/16, 3/8	9/16-18UNF	11/16-16UNF	22	24	54.5	42.5	5.5	165	6RHV50MLOS	420	400
12	1/2	3/4-16UNF	13/16-16UNF	24	27	60.5	46.5	5.5	165	8RHV50MLOS	420	400
14, 15, 16	5/8	7/8-14UNS	1-14UNF	32	36	71.0	55.0	11.5	366	10RHV50MLOS	420	315
18, 20	3/4	1 1/16-12UN	1 3/16-12UNF	41	46	79.0	60.5	15.0	631	12RHV50MLOS	420	250
22, 25	1	1 5/16-12UN	1 7/16-12UNF	46	50	82.5	64.0	19.0	863	16RHV50MLOS	420	250
28, 30, 32	1 1/4	1 5/8-12UN	1 11/16-12UNF	60	60	92.5	74.0	24.0	1403	20RHV50MLOS	250	250
35, 38	1 1/2	1 7/8-12UN	2-12UNF	65	70	99.5	81.0	29.0	1969	24RHV50MLOS	250	250

¹⁾ Pressure shown = item deliverable

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

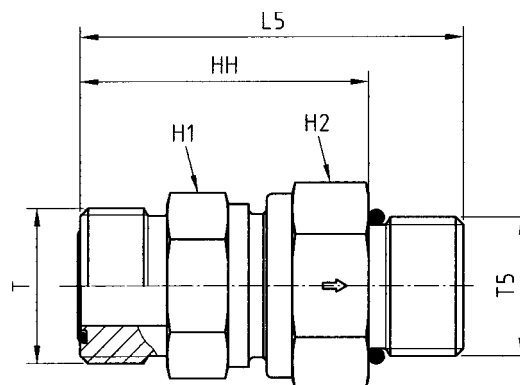
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	RHV50MLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHV50MLOS	NBR

RHZ5OMLOS Non return valve

O-Lok® ORFS end / Male UN/UNF thread – O-ring (ISO 11926)



Tube O.D.		UNF male thread T5	ORFS (UN/UNF) thread T	H1	H2	L5	HH	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	7/16-20UNF	9/16-18UNF	19	19	45.5	34.5	3.5	91	4RHZ5OMLOS	420	400
8, 10	5/16, 3/8	9/16-18UNF	11/16-16UNF	22	24	54.5	42.5	5.5	161	6RHZ5OMLOS	420	400
12	1/2	3/4-16UNF	13/16-16UNF	24	27	60.5	46.5	5.5	161	8RHZ5OMLOS	420	400
14, 15, 16	5/8	7/8-14UNS	1-14UNF	32	36	71.0	55.0	11.5	348	10RHZ5OMLOS	420	315
18, 20	3/4	1 1/16-12UN	1 3/16-12UNF	41	46	79.0	60.5	15.0	634	12RHZ5OMLOS	420	250
22, 25	1	1 5/16-12UN	1 7/16-12UNF	46	50	82.5	64.0	19.0	863	16RHZ5OMLOS	420	250
28, 30, 32	1 1/4	1 5/8-12UN	1 11/16-12UNF	60	60	92.5	74.0	24.0	1397	20RHZ5OMLOS	250	250
35, 38	1 1/2	1 7/8-12UN	2-12UNF	65	70	99.5	81.0	29.0	2001	24RHZ5OMLOS	250	250

¹⁾ Pressure shown = item deliverable

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

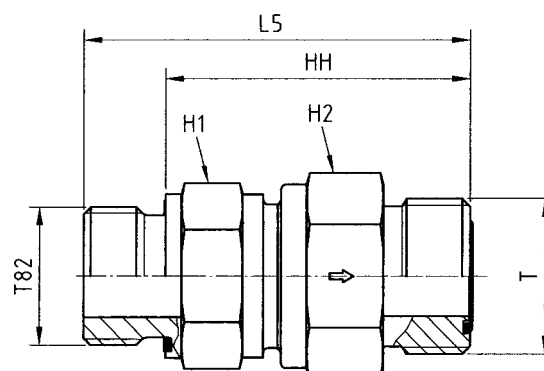
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHZ5OMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHZ5OMLOS	NBR

RHV82EDMLOS Non return valve

Male metric thread – ED-seal (ISO 9974) / O-Lok® ORFS end



Tube O.D.		metric thread T82	ORFS (UN/UNF) thread T	H1	H2	L5	HH	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	M12×1.5	9/16-18UNF	19	19	48.5	36.5	3.5	89	4M12RHV82EDMLOS	420	400
8, 10	5/16, 3/8	M16×1.5	11/16-16UNF	22	24	56.5	44.5	5.5	157	6M16RHV82EDMLOS	420	400
12	1/2	M18×1.5	13/16-16UNF	24	27	61.5	49.5	7.5	195	8M18RHV82EDMLOS	420	400
14, 15, 16	5/8	M22×1.5	1-14UNF	32	36	72.0	58.0	11.5	369	10M22RHV82EDMLOS	420	315
18, 20	3/4	M27×2.0	1 3/16-12UNF	41	46	79.5	63.5	15.0	628	12M27RHV82EDMLOS	420	250
22, 25	1	M33×2.0	1 7/16-12UNF	46	50	84.0	66.0	19.0	867	16M33RHV82EDMLOS	420	250
28, 30, 32	1 1/4	M42×2.0	1 11/16-12UNF	60	60	95.0	75.0	24.0	1409	20M42RHV82EDMLOS	250	250
35, 38	1 1/2	M48×2.0	2-12UNF	65	70	103.0	81.0	29.0	1970	24M48RHV82EDMLOS	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

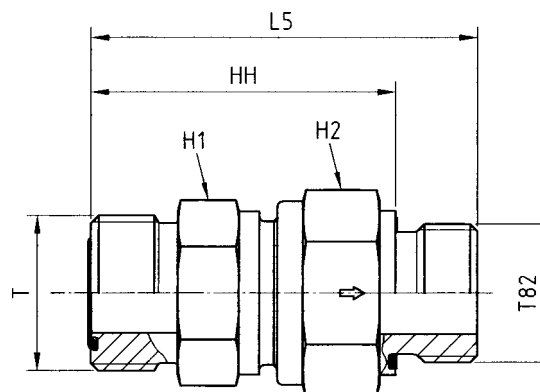
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4M12RHV82EDMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4M12RHV82EDMLOS	NBR

RHZ82EDMLOS Non return valve

O-Lok® ORFS end / Male metric thread – ED-seal (ISO 9974)



Tube O.D.		metric thread T82	ORFS (UN/UNF) thread T	H1	H2	L5	HH	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	M12×1.5	9/16-18UNF	19	19	48.5	36.5	3.5	89	4M12RHZ82EDMLOS	420	400
8, 10	5/16, 3/8	M16×1.5	11/16-16UNF	22	24	56.5	44.5	5.5	156	6M16RHZ82EDMLOS	420	400
12	1/2	M18×1.5	13/16-16UNF	24	27	61.5	49.5	7.5	195	8M18RHZ82EDMLOS	420	400
14, 15, 16	5/8	M22×1.5	1-14UNF	32	36	70.0	56.0	11.5	352	10M22RHZ82EDMLOS	420	315
18, 20	3/4	M27×2.0	1 3/16-12UNF	41	46	77.5	61.5	15.0	608	12M27RHZ82EDMLOS	420	250
22, 25	1	M33×2.0	1 7/16-12UNF	46	50	84.0	66.0	19.0	965	16M33RHZ82EDMLOS	420	250
28, 30, 32	1 1/4	M42×2.0	1 11/16-12UNF	60	60	95.0	75.0	24.0	1396	20M42RHZ82EDMLOS	250	250
35, 38	1 1/2	M48×2.0	2-12UNF	65	70	115.0	93.0	29.0	1978	24M48RHZ82EDMLOS	250	250

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

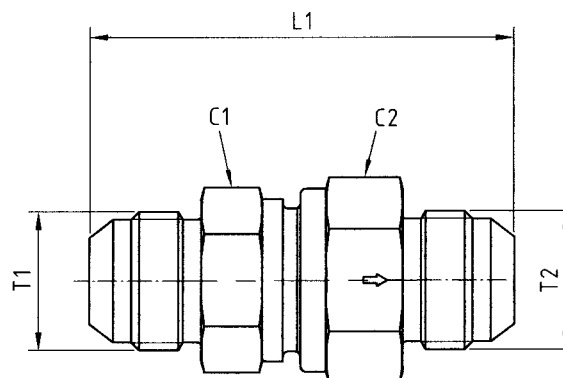
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4M12RHZ82EDMLOSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4M12RHZ82EDMLOS	NBR

RHDMTXS Non return valve

Triple-Lok® 37° flare end / Triple-Lok® 37° flare end



Tube 1 O.D.		Tube 2 O.D.		Thread JIC SAE T1	Thread JIC SAE T2				DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	mm	Inch			C1	C2	L1				CF	A3C
6	1/4	6	1/4	7/16-20UNF	7/16-20UNF	19	19	52.5	3.5	108	4RHDMTXS	420	350
8	5/16	8	5/16	1/2-20UNF	1/2-20UNF	22	24	59.5	5.5	188	5RHDMTXS	420	350
10	3/8	10	3/8	9/16-18UNF	9/16-18UNF	24	27	61.5	7.5	223	6RHDMTXS	420	350
12	1/2	12	1/2	3/4-16UNF	3/4-16UNF	27	32	69.5	9.5	324	8RHDMTXS	420	315
14, 15, 16	5/8	14, 15, 16	5/8	7/8-14UNF	7/8-14UNF	32	36	78.5	11.5	428	10RHDMTXS	350	315
18, 20	3/4	18, 20	3/4	1 1/16-12UN	1 1/16-12UN	41	46	87.5	15.0	731	12RHDMTXS	350	250
25	1	25	1	1 5/16-12UN	1 5/16-12UN	46	50	92.5	19.0	1076	16RHDMTXS	280	250
28, 30, 32	1 1/4	28, 30, 32	1 1/4	1 5/8-12UN	1 5/8-12UN	60	60	105.5	24.0	1630	20RHDMTXS	250	210
35, 38	1 1/2	35, 38	1 1/2	1 7/8-12UN	1 7/8-12UN	65	70	118.5	29.0	2362	24RHDMTXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

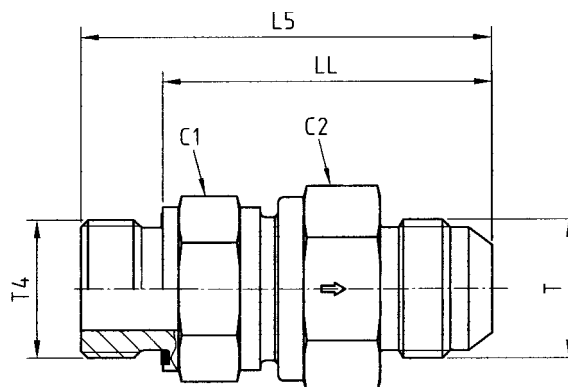
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional. suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHDMTXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHDMTXS	NBR

RHV42EDMXS Non return valve

Male BSPP thread – ED-seal (ISO 1179) / Triple-Lok® 37° flare end



Tube O.D.		BSPP thread	Thread JIC SAE T					DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	T4		C1	C2	L5	LL				CF	A3C
6	1/4	G 1/8	7/16-20UNF	19	19	48.0	40.0	3.5	92	4RHV42EDMXS	420	350
8	5/16	G 1/4	1/2-20UNF	22	24	59.5	47.5	5.5	165	5-4RHV42EDMXS	420	350
10	3/8	G 1/4	9/16-18UNF	24	27	62.0	50.0	7.5	191	6RHV42EDMXS	420	350
12	1/2	G 3/8	3/4-16UNF	27	32	67.0	55.0	9.5	277	8RHV42EDMXS	420	315
14, 15, 16	5/8	G 1/2	7/8-14UNS	32	36	76.0	62.0	11.5	366	10RHV42EDMXS	350	315
18, 20	3/4	G 3/4	1 1/16-12UN	41	46	84.5	68.5	15.0	631	12RHV42EDMXS	350	250
25	1	G 1	1 5/16-12UN	46	50	89.5	71.5	19.0	863	16RHV42EDMXS	280	250
28, 30, 32	1 1/4	G 1 1/4	1 5/8-12UN	60	60	102.0	82.0	24.0	1403	20RHV42EDMXS	250	210
35, 38	1 1/2	G 1 1/2	1 7/8-12UN	65	70	113.0	91.0	29.0	1969	24RHV42EDMXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

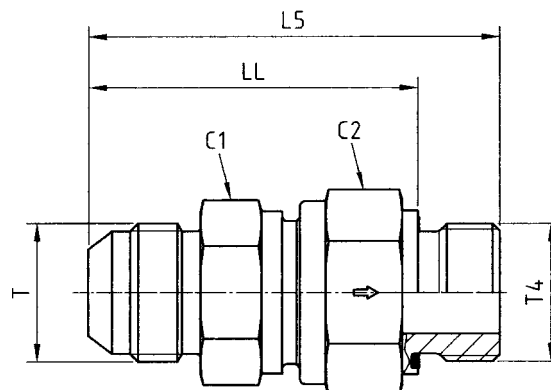
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHV42EDMXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHV42EDMXS	NBR

RHZ42EDMXS Non return valve

Triple-Lok® 37° flare end / Male BSPP thread – ED-seal (ISO 1179)



Tube O.D.		BSPP thread	Thread JIC SAE T					DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch	T4		C1	C2	L5	LL				CF	A3C
6	1/4	G 1/8	7/16-20UNF	19	19	48.0	40.0	3.5	89	4RHZ42EDMXS	420	350
8	5/16	G 1/4	1/2-20UNF	22	24	59.0	47.0	5.5	156	5-4RHZ42EDMXS	420	350
10	3/8	G 1/4	9/16-18UNF	24	27	62.0	50.0	7.5	190	6RHZ42EDMXS	420	350
12	1/2	G 3/8	3/4-16UNF	27	32	66.0	54.0	9.5	278	8RHZ42EDMXS	420	315
14, 15, 16	5/8	G 1/2	7/8-14UNS	32	36	74.0	60.0	11.5	348	10RHZ42EDMXS	350	315
18, 20	3/4	G 3/4	1 1/16-12UN	41	46	82.5	66.5	15.0	634	12RHZ42EDMXS	350	250
25	1	G 1	1 5/16-12UN	46	50	89.5	71.5	19.0	863	16RHZ42EDMXS	280	250
28, 30, 32	1 1/4	G 1 1/4	1 5/8-12UN	60	60	102.0	82.0	24.0	1397	20RHZ42EDMXS	250	210
35, 38	1 1/2	G 1 1/2	1 7/8-12UN	65	70	115.0	93.0	29.0	2001	24RHZ42EDMXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

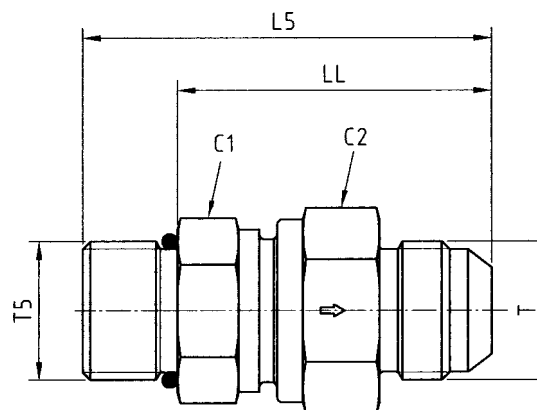
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHZ42EDMXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHZ42EDMXS	NBR

RHV5OMXS Non return valve

Male UN/UNF thread – O-ring (ISO 11926) / Triple-Lok® 37° flare end



Tube O.D.		Thread UNF T5	Thread JIC SAE T	C1	C2	L5	LL	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	7/16-20UNF	7/16-18UNF	19	19	49.5	38.5	3.5	92	4RHV5OMXS	420	350
8	5/16	1/2-20UNF	1/2-20UNF	22	24	56.5	45.5	5.5	165	5RHV5OMXS	420	350
10	3/8	9/16-18UNF	9/16-18UNF	24	27	59.5	47.5	7.5	191	6RHV5OMXS	420	350
12	1/2	3/4-16UNF	3/4-16UNF	27	32	66.5	52.5	9.5	277	8RHV5OMXS	420	315
14, 15, 16	5/8	7/8-14UNS	7/8-14UNS	32	36	75.0	59.0	11.5	366	10RHV5OMXS	350	315
18, 20	3/4	1 1/16-12UN	1 1/16-12UN	41	46	84.0	65.5	15.0	631	12RHV5OMXS	350	250
25	1	1 5/16-12UN	1 5/16-12UN	46	50	88.0	69.5	19.0	863	16RHV5OMXS	280	250
28, 30, 32	1 1/4	1 5/8-12UN	1 5/8-12UN	60	60	99.5	81.0	24.0	1403	20RHV5OMXS	250	210
35, 38	1 1/2	1 7/8-12UN	1 7/8-12UN	65	70	109.5	91.0	29.0	1969	24RHV5OMXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

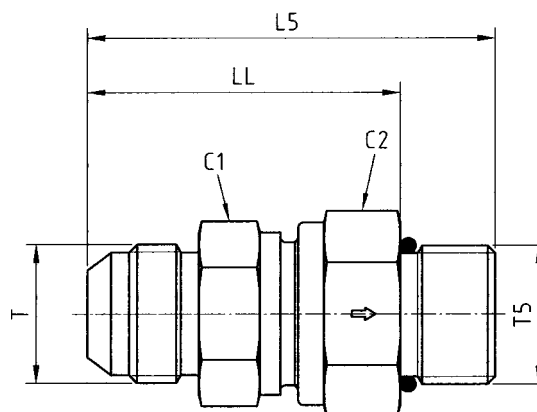
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	RHV5OMXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHV5OMXS	NBR

RHZ50MXS Non return valve

Triple-Lok® 37° flare end / Male UN/UNF thread – O-ring (ISO 11926)



Tube O.D.		Thread UNF T5	Thread JIC SAE T	C1	C2	L5	LL	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	7/16-20UNF	7/16-18UNF	19	19	49.5	38.5	3.5	91	4RHZ50MXS	420	350
8	5/16	1/2-20UNF	1/2-20UNF	22	24	56.5	45.5	5.5	161	5RHZ50MXS	420	350
10	3/8	9/16-18UNF	9/16-18UNF	24	27	59.5	47.5	7.5	190	6RHZ50MXS	420	350
12	1/2	3/4-16UNF	3/4-16UNF	27	32	66.5	52.5	9.5	278	8RHZ50MXS	420	315
14, 15, 16	5/8	7/8-14UNS	7/8-14UNS	32	36	75.0	59.0	11.5	348	10RHZ50MXS	350	315
18, 20	3/4	1 1/16-12UN	1 1/16-12UN	41	46	84.0	65.5	15.0	634	12RHZ50MXS	350	250
25	1	1 5/16-12UN	1 5/16-12UN	46	50	88.0	69.5	19.0	863	16RHZ50MXS	280	250
28, 30, 32	1 1/4	1 5/8-12UN	1 5/8-12UN	60	60	99.5	81.0	24.0	1397	20RHZ50MXS	250	210
35, 38	1 1/2	1 7/8-12UN	1 7/8-12UN	65	70	109.5	91.0	29.0	2001	24RHZ50MXS	210	240

¹⁾ Pressure shown = item deliverable

$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$

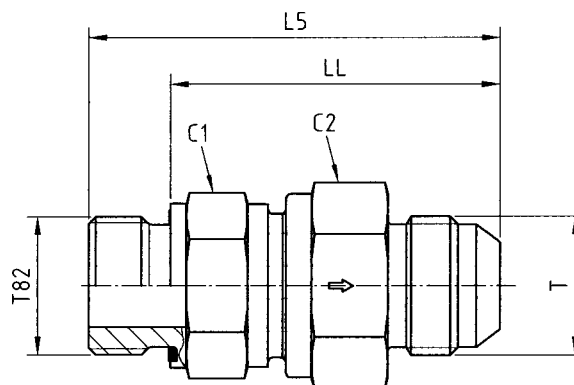
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page 17.

*Please add the **suffixes** below according to the material/ surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4RHZ50MXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4RHZ50MXS	NBR

RHV82EDMXS Non return valve

Male metric thread – ED-seal (ISO 9974) / Triple-Lok® 37° flare end



Tube O.D.		Metric thread T82	Thread JIC SAE T	C1	C2	L5	LL	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	M10×1.0	7/16-20UNF	19	19	48.0	40.0	3.5	89	4M10RHV82EDMXS	420	350
8	5/16	M12×1.5	1/2-20UNF	22	24	59.5	47.5	5.5	157	5M12RHV82EDMXS	420	350
10	3/8	M14×1.5	9/16-18UNF	24	27	62.0	50.0	7.5	195	6M14RHV82EDMXS	420	350
12	1/2	M16×1.5	3/4-16UNF	27	32	67.0	55.0	9.5	274	8M16RHV82EDMXS	420	315
14, 15, 16	5/8	M18×1.5	7/8-14UNS	32	36	73.5	61.5	11.5	369	10M18RHV82EDMXS	350	315
18, 20	3/4	M27×2.0	1 1/16-12UN	41	46	84.5	68.5	15.0	628	12M27RHV82EDMXS	350	160
25	1	M33×2.0	1 5/16-12UN	46	50	89.5	71.5	19.0	867	16M33RHV82EDMXS	280	250
28, 30, 32	1 1/4	M42×2.0	1 5/8-12UN	60	60	102.0	82.0	24.0	1409	20M42RHV82EDMXS	250	210
35, 38	1 1/2	M48×2.0	1 7/8-12UN	65	70	113.0	91.0	29.0	1970	24M48RHV82EDMXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

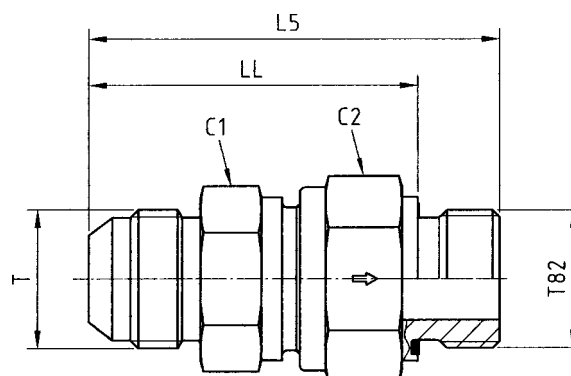
Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4M10RHV82EDMXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4M10RHV82EDMXS	NBR

RHZ82EDMXS Non return valve

Triple-Lok® 37° flare end / Male metric thread – ED-seal (ISO 9974)



Tube O.D.		Metric thread T82	Thread JIC SAE T	C1	C2	L5	LL	DN (Nom. diam.)	Weight g/1 piece	Order code*	PN (bar) ¹⁾	
mm	Inch										CF	A3C
6	1/4	M10×1.0	7/16-20UNF	19	19	48.0	40.0	3.5	89	4M10RHZ82EDMXS	420	350
8	5/16	M12×1.5	1/2-20UNF	22	24	59.5	47.5	5.5	156	5M12RHZ82EDMXS	420	350
10	3/8	M14×1.5	9/16-18UNF	24	27	62.0	50.0	7.5	195	6M14RHZ82EDMXS	420	350
12	1/2	M16×1.5	3/4-16UNF	27	32	66.0	54.0	9.5	272	8M16RHZ82EDMXS	420	315
14, 15, 16	5/8	M18×1.5	7/8-14UNS	32	36	71.5	59.5	11.5	352	10M18RHZ82EDMXS	350	315
18, 20	3/4	M27×2.0	1 1/16-12UN	41	46	82.5	66.5	15.0	608	12M27RHZ82EDMXS	350	250
25	1	M33×2.0	1 5/16-12UN	46	50	89.5	71.5	19.0	965	16M33RHZ82EDMXS	280	250
28, 30, 32	1 1/4	M42×2.0	1 5/8-12UN	60	60	102.0	82.0	24.0	1396	20M42RHZ82EDMXS	250	210
35, 38	1 1/2	M48×2.0	1 7/8-12UN	65	70	115.0	93.0	29.0	1807	24M48RHZ82EDMXS	210	140

¹⁾ Pressure shown = item deliverable

$$\frac{\text{PN (bar)}}{10} = \text{PN (MPa)}$$

Delivery without nut and ring. Information on ordering complete fittings or alternative sealing materials see page I7.

*Please add the **suffixes** below according to the material/surface required.

Order code suffixes			
Material	Suffix surface and material	Example	Standard sealing material (no additional suffix needed)
Steel, zinc plated., chrome ⁶ -free	CF	4M10RHZ82EDMXSCF	NBR
Steel, zinc yellow plated	A3C (no suffix needed)	4M10RHZ82EDMXS	NBR