NON-RETURN VALVES OVERVIEW

C-RHD



Non-Return Valve
24° Tube Connection

C-RHDI



Non-Return Valve
Female BSPP Thread

C-RHV-WD



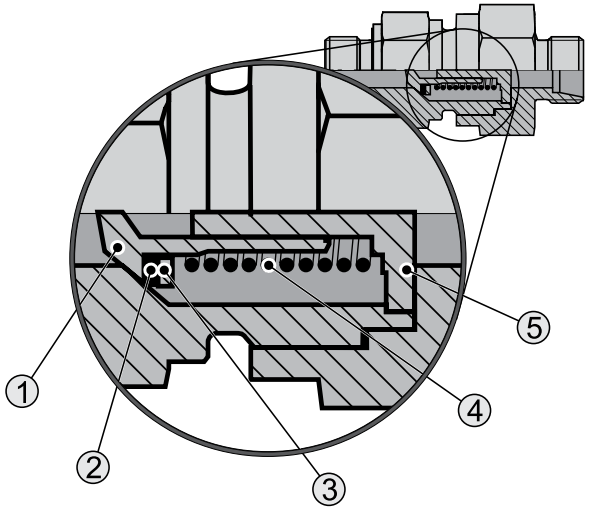
Non-Return Valve
(Flow from Stud Connector)
Male stud connector - Captive seal /
24° Tube Connection

C-RHZ-WD



Non-Return Valve
(Flow to Stud Connector)
Metric Male Stud Connector - Captive seal /
24° Tube Connection

CONEXA Non-Return Valves
Design



1: Poppet
2: Sealing Disc
3: Cover Disc
4: Spring
5: Passage Disc

Technical Specification:
Non-Return Valve closing with poppet with integrated elastomeric sealing disc. Spring fixed in position with shaft, ensuring center position of the poppet. The design of the inside parts results in an optimized flow without obstruction of the cross section. Any flow velocity above 8 m/s should be avoided in general.

Opening Pressure:
The standard opening pressure is 1 bar
Other opening pressures are available upon request such as 0.2 bar to 6 bar (specify in your order). The tolerance for the opening pressure is ± 20 %. The permissible operating pressures are specified in the according tables.

Materials:
- Galvanized steel (Cr(VI)-free), standard NBR seals.
- Stainless steel (1.4571), standard FKM seals

Assembly:
See installation guide. The valves must be fixed in place with a spanner in order to prevent that they are unscrewed during installation.

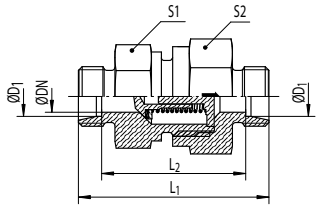
Application:
Check the compatibility with the medium before usage. Not suitable for steam, oxygen, and explosive or flammable gases.

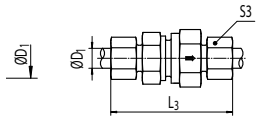
C-RHD Non-Return Valve

24° Tube Connection
(DIN EN ISO 8434-1)



C-RHDI





Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	ØDN [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code*	kg/ 100
L	250	400	06	3.5	43.0	29.0	59.0	17	17	14	**C-RHD 06 L OMD**	4.6
			08	5.5	44.0	30.0	60.0	19	19	17	**C-RHD 08 L OMD**	5.5
			10	7.5	54.5	40.5	70.5	22	24	19	**C-RHD 10 L OMD**	10.2
			12	9.5	57.5	43.5	73.5	27	30	22	**C-RHD 12 L OMD**	16.2
			15	11.5	61.5	47.5	77.5	27	32	27	**C-RHD 15 L OMD**	19.0
	160	400	18	14.0	66.5	51.5	84.5	36	36	32	**C-RHD 18 L OMD**	27.8
	100	250	22	18.0	76.5	61.5	94.5	41	46	36	**C-RHD 22 L OMD**	44.7
			28	23.0	84.5	69.5	102.5	50	55	41	**C-RHD 28 L OMD**	72.9
			35	29.0	95.5	74.5	117.5	60	60	50	**C-RHD 35 L OMD**	103.8
			42	29.0	96.0	74.0	120.0	65	70	60	**C-RHD 42 L OMD**	151.2
S	400	400	06	3.5	48.5	34.5	64.5	19	19	17	**C-RHD 06 S OMD**	6.9
			08	3.5	48.5	34.5	64.5	19	19	19	**C-RHD 08 S OMD**	7.4
			10	5.5	55.5	40.5	73.5	22	24	22	**C-RHD 10 S OMD**	12.2
			12	7.5	57.5	42.5	75.5	24	27	24	**C-RHD 12 S OMD**	14.9
	315	400	14	9.5	63.5	47.5	83.5	27	32	27	**C-RHD 14 S OMD**	20.2
			16	11.5	67.5	50.5	87.5	32	36	30	**C-RHD 16 S OMD**	28.3
	250	400	20	15.0	75.5	54.5	97.5	41	46	36	**C-RHD 20 S OMD**	50.0
			25	19.0	82.5	58.5	106.5	46	50	46	**C-RHD 25 S OMD**	62.1
	250	250	30	24.0	96.5	69.5	122.5	60	60	50	**C-RHD 30 S OMD**	114.5
			38	29.0	107.5	75.5	137.5	65	70	60	**C-RHD 38 S OMD**	163.5

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:









CONEXA www.CONEXA.de Phone: +49 5541 9877 -0 Fax: +49 5541 9877 -77



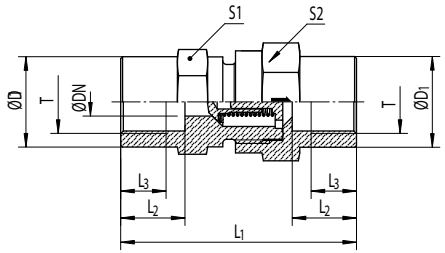
C-RHDI

Non-Return Valve

Female BSPP Thread
(ISO 1179-1)







PN [bar] C	PN [bar] CF	T	ØDN [mm]	ØD1 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	S1 [mm]	S2 [mm]	Ordering Code *	kg/ 100
400	400	G 1/8	3.5	19	42.5	12.0	8.0	19	19	**C-RHDI1/8**	7.7
		G 1/4	3.5	19	51.0	16.0	12.0	19	19	**C-RHDI1/4**	8.0
		G 3/8	7.5	24	60.0	17.0	12.0	24	27	**C-RHDI3/8**	16.6
315	315	G 1/2	11.5	32	72.0	20.0	15.0	32	36	**C-RHDI1/2**	35.6
250	250	G 3/4	15.0	41	84.0	22.0	16.5	41	46	**C-RHDI3/4**	68.7
		G1	19.0	46	95.0	25.5	19.0	46	50	**C-RHDI1**	85.8
		G1 1/4	24.0	60	110.0	28.0	21.5	60	60	**C-RHDI1 1/4**	156.1
		G 1 1/2	29.0	65	114.0	28.5	22.0	65	70	**C-RHDI1 1/2**	194.2

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:











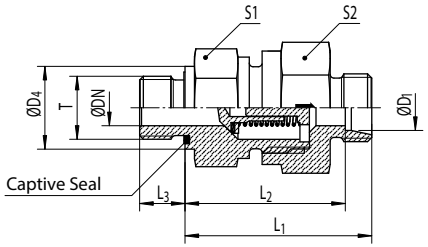
C-RHV-M-WD

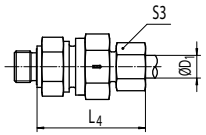
Non-Return Valve - (Flow from Stud Connector)

Metric Male Stud Connector with Captive seal (ISO 9974, Type E) / 24° Tube Connection (DIN EN ISO 8434-1)









Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	T	ØDN [mm]	ØD4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	250	400	06	M10x1	3.5	14	35.0	28.0	8	43.0	17	17	14	**C-RHV 06 LM WD OMD**	4.7
			08	M12x1.5	5.5	17	36.0	29.0	12	44.0	19	19	17	**C-RHV 08 LM WD OMD**	6.1
			10	M14x1.5	7.5	19	45.5	38.5	12	53.5	22	24	19	**C-RHV 10 LM WD OMD**	10.4
			12	M16x1.5	9.5	22	49.5	42.5	12	57.5	27	30	22	**C-RHV 12 LM WD OMD**	17.0
			15	M18x1.5	11.5	24	52.5	45.5	12	60.5	27	32	27	**C-RHV 15 LM WD OMD**	19.3
	160	400	18	M22x1.5	14.0	27	57.5	50.0	14	66.5	36	36	32	**C-RHV 18 LM WD OMD**	29.2
	160	250	22	M26x1.5	18.0	32	62.5	55.0	16	71.5	41	46	36	**C-RHV 22 LM WD OMD**	43.4
	100	250	28	M33x2	23.0	40	70.5	63.0	18	79.5	50	55	41	**C-RHV 28 LM WD OMD**	71.2
			35	M42x2	29.0	50	79.5	69.0	20	90.5	60	60	50	**C-RHV 35 LM WD OMD**	102.3
			42	M48x2	29.0	55	79.5	68.5	22	91.5	65	70	60	**C-RHV 42 LM WD OMD**	153.4
S	400	400	06	M12x1.5	3.5	17	38.5	31.5	12	46.5	19	19	17	**C-RHV 06 SM WD OMD**	6.8
			08	M14x1.5	3.5	19	38.5	31.5	12	46.5	19	19	19	**C-RHV 08 SM WD OMD**	7.6
			10	M16x1.5	5.5	22	45.5	38.0	12	54.5	22	24	22	**C-RHV 10 SM WD OMD**	12.3
			12	M18x1.5	7.5	24	48.5	41.0	12	57.5	24	27	24	**C-RHV 12 SM WD OMD**	15.8
	315	400	14	M20x1.5	9.5	26	52.5	44.5	14	62.5	27	32	27	**C-RHV 14 SM WD OMD**	21.3
			16	M22x1.5	11.5	27	56.5	48.0	14	66.5	32	36	30	**C-RHV 16 SM WD OMD**	28.7
	250	400	20	M27x2	15.0	32	62.5	52.0	16	73.5	41	46	36	**C-RHV 20 SM WD OMD**	49.8
			25	M33x2	19.0	40	66.5	54.5	18	78.5	46	50	46	**C-RHV 25 SM WD OMD**	62.0
	250	250	30	M42x2	24.0	50	77.5	64.0	20	90.5	60	60	50	**C-RHV 30 SM WD OMD**	115.5
			38	M48x2	29.0	55	85.5	69.5	22	100.5	65	70	60	**C-RHV 38 SM WD OMD**	162.4

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:









CONEXA www.CONEXA.de Phone: +49 5541 9877 -0 Fax: +49 5541 9877 -77

C-RHV-M-WD



C-RHV-R-WD

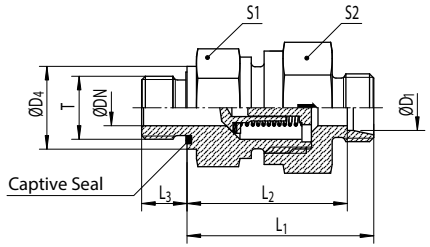
Non-Return Valve - (Flow from Stud Connector)

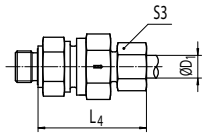
Male BSPP Stud Connector with Captive seal (ISO 1179, Type E) / 24° Tube Connection (DIN EN ISO 8434-1)



C-RHZ-M-WD







Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	T	ØDN [mm]	ØD4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	250	400	06	G1/8A	3.5	14	35.0	28.0	8	43.0	17	17	14	**C-RHV 06 LR WD OMD**	4.6
			08	G1/4A	5.5	19	37.0	30.0	12	45.0	19	19	17	**C-RHV 08 LR WD OMD**	6.3
			10	G1/4A	7.5	19	45.5	38.5	12	53.5	22	24	19	**C-RHV 10 LR WD OMD**	10.3
			12	G3/8A	9.5	22	49.5	42.5	12	57.5	27	30	22	**C-RHV 12 LR WD OMD**	17.1
			15	G1/2A	11.5	27	52.5	45.5	14	60.5	27	32	27	**C-RHV 15 LR WD OMD**	20.3
	160	400	18	G1/2A	14.0	27	57.5	50.0	14	66.5	36	36	32	**C-RHV 18 LR WD OMD**	28.4
	160	250	22	G3/4A	18.0	32	62.5	55.0	16	71.5	41	46	36	**C-RHV 22 LR WD OMD**	43.5
	100	250	28	G1A	23.0	40	70.5	63.0	18	79.5	50	55	41	**C-RHV 28 LR WD OMD**	71.8
			35	G1 1/4A	29.0	50	79.5	69.0	20	90.5	60	60	50	**C-RHV 35 LR WD OMD**	103.0
			42	G1 1/2A	29.0	55	79.5	68.5	22	91.5	65	70	60	**C-RHV 42 LR WD OMD**	154.1
S	400	400	06	G1/4A	3.5	19	38.5	31.5	12	46.5	19	19	17	**C-RHV 06 SR WD OMD**	7.2
			08	G1/4A	3.5	19	38.5	31.5	12	46.5	19	19	19	**C-RHV 08 SR WD OMD**	7.4
			10	G3/8A	5.5	22	45.5	38.0	12	54.5	22	24	22	**C-RHV 10 SR WD OMD**	12.6
			12	G3/8A	7.5	22	48.5	41.0	12	57.5	24	27	24	**C-RHV 12 SR WD OMD**	15.4
	315	400	14	G1/2A	9.5	27	52.5	44.5	14	62.5	27	32	27	**C-RHV 14 SR WD OMD**	21.6
			16	G1/2A	11.5	27	56.5	48.0	14	66.5	32	36	30	**C-RHV 16 SR WD OMD**	28.8
	250	400	20	G3/4A	15.0	32	62.5	52.0	16	73.5	41	46	36	**C-RHV 20 SR WD OMD**	50.1
			25	G1A	19.0	40	66.5	54.5	18	78.5	46	50	46	**C-RHV 25 SR WD OMD**	62.1
	250	250	30	G1 1/4A	24.0	50	77.5	64.0	20	90.5	60	60	50	**C-RHV 30 SR WD OMD**	116.0
			38	G1 1/2A	29.0	55	85.5	69.5	22	100.5	65	70	60	**C-RHV 38 SR WD OMD**	160.0

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:









Non-Return Valves: Overview

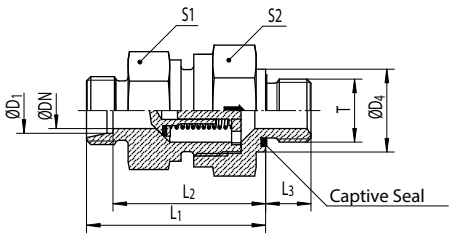


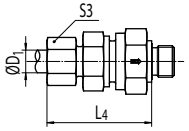
C-RHZ-M-WD

Non-Return Valve - (Flow to Stud Connector)

Metric Male Stud Connector with Captive seal (ISO 9974, Type E)
24° Tube Connection (DIN EN ISO 8434-1)







Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	T	ØDN [mm]	ØD4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	250	400	06	M10x1	3.5	14	33.5	26.5	8	41.5	17	17	14	**C-RHZ 06 LM WD OMD**	4.5
			08	M12x1.5	5.5	17	35.5	28.5	12	43.5	19	19	17	**C-RHZ 08 LM WD OMD**	5.6
			10	M14x1.5	7.5	19	45.5	38.5	12	53.5	22	24	19	**C-RHZ 10 LM WD OMD**	10.5
			12	M16x1.5	9.5	22	47.5	40.5	12	55.5	27	30	22	**C-RHZ 12 LM WD OMD**	15.9
			15	M18x1.5	11.5	24	49.5	42.5	12	57.5	27	32	27	**C-RHZ 15 LM WD OMD**	17.5
	160	400	18	M22x1.5	14.0	27	55.5	48.0	14	64.5	36	36	32	**C-RHZ 18 LM WD OMD**	27.5
	160	250	22	M26x1.5	18.0	32	63.5	56.0	16	72.5	41	46	36	**C-RHZ 22 LM WD OMD**	44.1
	100	160	28	M33x2	23.0	40	71.5	64.0	18	80.5	50	55	41	**C-RHZ 28 LM WD OMD**	71.5
			35	M42x2	29.0	50	80.5	70.0	20	91.5	60	60	50	**C-RHZ 35 LM WD OMD**	107.1
			42	M48x2	29.0	55	81.5	70.5	22	93.5	65	70	60	**C-RHZ 42 LM WD OMD**	158.4
S	400	400	06	M12x1.5	3.5	17	38.5	31.5	12	46.5	19	19	17	**C-RHZ 06 SM WD OMD**	6.9
			08	M14x1.5	3.5	19	38.5	31.5	12	46.5	19	19	19	**C-RHZ 08 SM WD OMD**	7.6
			10	M16x1.5	5.5	22	45.5	38.0	12	54.5	22	24	22	**C-RHZ 10 SM WD OMD**	12.5
			12	M18x1.5	7.5	24	48.5	41.0	12	57.5	24	27	24	**C-RHZ 12 SM WD OMD**	15.7
	315	400	14	M20x1.5	9.5	26	51.5	43.5	14	61.5	27	32	27	**C-RHZ 14 SM WD OMD**	20.7
			16	M22x1.5	11.5	27	54.5	46.0	14	64.5	32	36	30	**C-RHZ 16 SM WD OMD**	27.4
	250	400	20	M27x2	15.0	32	60.5	50.0	16	71.5	41	46	36	**C-RHZ 20 SM WD OMD**	51.0
			25	M33x2	19.0	40	66.5	54.5	18	78.5	46	50	46	**C-RHZ 25 SM WD OMD**	62.7
	250	250	30	M42x2	24.0	50	77.5	64.0	20	90.5	60	60	50	**C-RHZ 30 SM WD OMD**	116.1
			38	M48x2	29.0	55	87.5	71.5	22	102.5	65	70	60	**C-RHZ 38 SM WD OMD**	165.3

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:









CONEXA www.CONEXA.de Phone: +49 5541 9877 -0 Fax: +49 5541 9877 -77

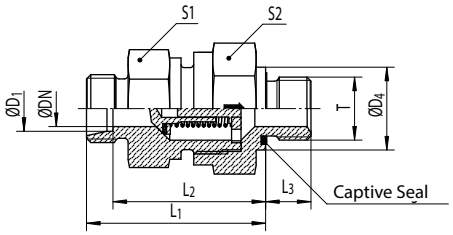


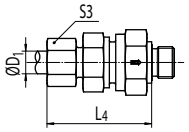
C-RHZ-R-WD

Non-Return Valve - (Flow to Stud Connector)

Male BSPP Stud Connector with Captive seal (ISO 1179, Type E)
24° Tube Connection (DIN EN ISO 8434-1)







Series	PN [bar] C	PN [bar] CF	ØD1 [mm]	T	ØDN [mm]	ØD4 [mm]	L1 [mm]	L2 [mm]	L3 [mm]	L4 [mm]	S1 [mm]	S2 [mm]	S3 [mm]	Ordering Code *	kg/ 100
L	250	400	06	G1/8A	3.5	14	33.5	26.5	8	41.5	17	17	14	**C-RHZ 06 LR WD OMD**	4.4
			08	G1/4A	5.5	19	35.5	28.5	12	43.5	19	19	17	**C-RHZ 08 LR WD OMD**	5.8
			10	G1/4A	7.5	19	45.5	38.5	12	53.5	22	24	19	**C-RHZ 10 LR WD OMD**	10.5
			12	G3/8A	9.5	22	47.5	40.5	12	55.5	27	30	22	**C-RHZ 12 LR WD OMD**	16.0
			15	G1/2A	11.5	27	49.5	42.5	14	57.5	27	32	27	**C-RHZ 15 LR WD OMD**	18.8
	160	400	18	G1/2A	14.0	27	55.5	48.0	14	64.5	36	36	32	**C-RHZ 18 LR WD OMD**	26.9
	160	250	22	G3/4A	18.0	32	63.5	56.0	16	72.5	41	46	36	**C-RHZ 22 LR WD OMD**	43.9
	100	160	28	G1A	23.0	40	71.5	64.0	18	80.5	50	55	41	**C-RHZ 28 LR WD OMD**	71.6
			35	G1 1/4A	29.0	50	80.5	70.0	20	91.5	60	60	50	**C-RHZ 35 LR WD OMD**	106.2
			42	G1 1/2A	29.0	55	81.5	70.5	22	93.5	65	70	60	**C-RHZ 42 LR WD OMD**	157.2
S	400	400	06	G1/4A	3.5	19	38.5	31.5	12	46.5	19	19	17	**C-RHZ 06 SR WD OMD**	7.1
			08	G1/4A	3.5	19	38.5	31.5	12	46.5	19	19	19	**C-RHZ 08 SR WD OMD**	7.4
			10	G3/8A	5.5	22	45.5	38.0	12	54.5	22	24	22	**C-RHZ 10 SR WD OMD**	12.7
			12	G3/8A	7.5	22	48.5	41.0	12	57.5	24	27	24	**C-RHZ 12 SR WD OMD**	15.4
	315	400	14	G1/2A	9.5	27	51.5	43.5	14	61.5	27	32	27	**C-RHZ 14 SR WD OMD**	21.1
			16	G1/2A	11.5	27	54.5	46.0	14	64.5	32	36	30	**C-RHZ 16 SR WD OMD**	27.4
	250	400	20	G3/4A	15.0	32	60.5	50.0	16	71.5	41	46	36	**C-RHZ 20 SR WD OMD**	47.6
			25	G1A	19.0	40	66.5	54.5	18	78.5	46	50	46	**C-RHZ 25 SR WD OMD**	62.0
	250	250	30	G1 1/4A	24.0	50	77.5	64.0	20	90.5	60	60	50	**C-RHZ 30 SR WD OMD**	114.1
			38	G1 1/2A	29.0	55	87.5	71.5	22	102.5	65	70	60	**C-RHZ 38 SR WD OMD**	164.7

*Replace the character "**C**" with "**CF**" when you require steel!
C = Stainless Steel, 1.4571 (Seal FKM) **CF** = Galvanized Steel Cr(VI)-free (Seal NBR)

CONEXA Non-Return Valves are shipped with an opening pressure of 1 bar as standard. Tolerance for the opening pressure ± 20 %. CONEXA Non-Return Valves with other opening pressures and other seal materials are available upon request. Please contact us.

Non-Return Valves:









CONEXA www.CONEXA.de Phone: +49 5541 9877 -0 Fax: +49 5541 9877 -77