

















STAUFF Connect

Metric tube connectors, assembly tools
and accessories

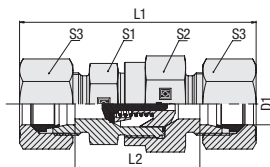
Product Catalogue

Version
10/2025

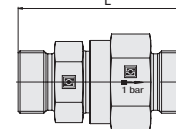


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Check Valve
High-Pressure Version
Type FI-RV • Series L / S



Standard Opening Pressure: 1 bar



Ordering Codes

***FI-RV*-10*L*-W3*-1*-MS**

- * Check Valve **FI-RV**
- * Outside Tube Diameter D1 (in mm) **-10**
- * Series **L**
S
- * Material Code **-W3**
 Please contact STAUFF for alternative materials and surface finishings.
- * Opening Pressure **1**
 Contact STAUFF for alternative opening pressures.
- * Assembling / Kitting **—**
 Valve body only
- MS**
 Valve body supplied with cutting rings and union nuts
- MSV**
 Valve body supplied with soft-sealing cutting rings and union nuts

Series	Tube OD PN		Dimensions						Weight kg ca. per 100	Ordering Codes ³
	mm D1	bar	mm L	mm L1 ¹	mm L2	mm S1	mm S2	mm S3		
L	6	400	52	67	38	22	27	14	11,93	FI-RV-06L-W3-1
	8	400	52	67	38	22	27	17	12,41	FI-RV-08L-W3-1
	10	400	52	67	38	22	27	19	11,65	FI-RV-10L-W3-1
	12	400	53	68	39	22	27	22	12,31	FI-RV-12L-W3-1
	15	400	58	74	44	27	32	27	18,29	FI-RV-15L-W3-1
	18	400	63	80	48	27	32	32	22,54	FI-RV-18L-W3-1
	22	250	75	92	60	41	46	36	48,21	FI-RV-22L-W3-1
	28	250	81	99	66	41	46	41	57,90	FI-RV-28L-W3-1
	35	250	92	114	71	60	70	50	129,80	FI-RV-35L-W3-1
	42	250	87	111	65	60	70	60	122,60	FI-RV-42L-W3-1
S	6	400	56	71	42	22	27	17	13,12	FI-RV-06S-W3-1
	8	400	52	67	38	22	27	19	11,98	FI-RV-08S-W3-1
	10	400	54	71	39	22	27	22	13,20	FI-RV-10S-W3-1
	12	400	55	72	40	22	27	24	13,61	FI-RV-12S-W3-1
	14	400	62	81	46	27	32	27	19,98	FI-RV-14S-W3-1
	16	400	65	84	48	27	32	30	21,56	FI-RV-16S-W3-1
	20	400	78	100	57	41	46	36	50,20	FI-RV-20S-W3-1
	25	250	81	105	57	41	46	46	52,60	FI-RV-25S-W3-1
	30	250	91	117	64	50	55	50	80,70	FI-RV-30S-W3-1
	38	250	99	129	67	60	70	60	136,00	FI-RV-38S-W3-1

¹ Approximate dimension in assembled condition.

² Weight excluding cutting rings and union nuts.

³ Standard scope of delivery: Valve body only.

Opening pressure tolerance ± 20%.

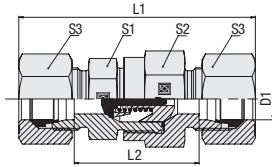
Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

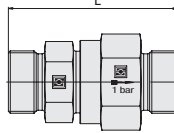
Connecting Parts

- Cutting Ring
Type **FI-DS** Page 28
- Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
- Support Sleeve
Type **FI-VH** Page 31
- STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
- Union Nut
Type **FI-M** Page 33
- 37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Check Valve Standard Version Type FI-RVA • Series L / S



Standard Opening Pressure: 1 bar



Series	Tube OD mm	PB bar	Dimensions mm						Weight kg ca. per 100	Ordering Codes ³
			L	L1 ¹	L2	S1	S2	S3		
L	6	250	43	58	29	17	17	14	4,4	FI-RVA-06L-W3-1
	8	250	44	59	30	19	19	17	5,5	FI-RVA-08L-W3-1
	10	250	54,5	69,5	40,5	22	24	19	9,8	FI-RVA-10L-W3-1
	12	250	57,5	72,5	43,5	27	30	22	16,5	FI-RVA-12L-W3-1
	15	250	61,5	77,5	47,5	30	32	27	20,5	FI-RVA-15L-W3-1
	18	160	66,5	83,5	51,5	36	36	32	29,0	FI-RVA-18L-W3-1
	22	160	76,5	93,5	61,5	41	46	36	49,5	FI-RVA-22L-W3-1
	28	100	85	103	70	50	55	41	78,4	FI-RVA-28L-W3-1
	35	100	95,5	117,5	74,5	60	65	50	122,7	FI-RVA-35L-W3-1
	42	100	99,5	123,5	77,5	65	75	60	162,6	FI-RVA-42L-W3-1
S	6	630	48,5	63,5	34,5	19	19	17	6,6	FI-RVA-06S-W3-1
	8	630	48,5	63,5	34,5	19	19	19	6,8	FI-RVA-08S-W3-1
	10	630	55,5	72,5	40,5	22	24	22	11,5	FI-RVA-10S-W3-1
	12	630	57,5	74,5	42,5	24	27	24	14,5	FI-RVA-12S-W3-1
	14	630	63,5	82,5	47,5	27	32	27	20,9	FI-RVA-14S-W3-1
	16	400	67,5	86,5	50,5	32	36	30	27,8	FI-RVA-16S-W3-1
	20	400	75,5	97,5	54,5	41	46	36	49,5	FI-RVA-20S-W3-1
	25	400	82,5	106,5	58,5	46	50	46	62,7	FI-RVA-25S-W3-1
	30	250	96	122	69	55	60	50	107,8	FI-RVA-30S-W3-1
	38	250	107,5	137,5	75,5	65	70	60	161,3	FI-RVA-38S-W3-1

¹ Approximate dimension in assembled condition.

² Weight excluding cutting rings and union nuts.

³ Standard scope of delivery: Valve body only.

 Opening pressure tolerance $\pm 20\%$.

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Ordering Codes

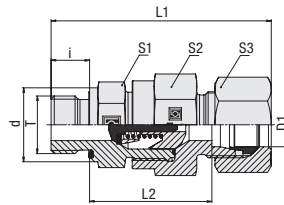
***FI-RVA*-10*L*-W3*-1*-MS**

* Check Valve		FI-RVA
* Outside Tube Diameter D1 (in mm)		-10
* Series	Light Series	L
	Heavy Series	S
* Material Code	Steel, zinc/nickel-plated	-W3
Please contact STAUFF for alternative materials and surface finishings.		
* Opening Pressure	1 bar	1
Contact STAUFF for alternative opening pressures.		
* Assembling / Kitting	Valve body only	—
	Valve body supplied with cutting rings and union nuts	-MS
	Valve body supplied with soft-sealing cutting rings and union nuts	-MSV

Connecting Parts

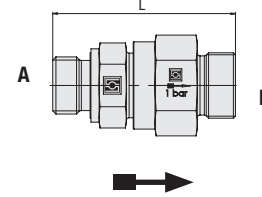
	Cutting Ring Type FI-DS	Page 28
	Soft-Sealing Cutting Ring Type FI-WDDS	Page 29
	Support Sleeve Type FI-VH	Page 31
	STAUFF Form EVO Sealing Ring Type FI-FD	Page 32
	Union Nut Type FI-M	Page 33
	37° Flared Tube Fitting Set Type FI-AB	Page 37

**Male Stud Check Valve
High-Pressure Version
Type FI-RVV-...-R-WD • Series L / S**



Flow Direction: A > B (from Stud End)

Standard Opening Pressure: 1 bar



Whitworth Parallel Pipe Thread (BSPP)

Profile Sealing Ring

Ordering Codes

***FI-RVV*-10*L*R*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow from Stud End) **FI-RVV**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Whitworth Parallel Pipe Thread (BSPP) **R**

If required, please indicate special sizes, e.g. R1/8!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Valve body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

Series	Tube OD mm D1	PN bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L ¹	L2	S1	S2	S3			
L	6	400	G 1/8	13,9	8	51	59	36	22	27	14	18	11,69	FI-RVV-06LR-WD-B-W3-1	
	8	400	G 1/4	18,9	12	55	63	36	22	27	17	35	12,54	FI-RVV-08LR-WD-B-W3-1	
	10	400	G 1/4	18,9	12	53	61	34	22	27	19	35	11,40	FI-RVV-10LR-WD-B-W3-1	
	12	400	G 3/8	21,9	12	58	66	39	22	27	22	70	13,62	FI-RVV-12LR-WD-B-W3-1	
	15	400	G 1/2	26,9	14	60	68	41	27	32	27	90	19,68	FI-RVV-15LR-WD-B-W3-1	
	18	400	G 1/2	26,9	14	67	76	45,5	27	32	32	90	22,68	FI-RVV-18LR-WD-B-W3-1	
	22	250	G 3/4	31,9	16	77	86	53,5	41	46	36	180	46,49	FI-RVV-22LR-WD-B-W3-1	
	28	250	G 1	39,9	18	86	95	60,5	41	46	41	310	59,70	FI-RVV-28LR-WD-B-W3-1	
	35	250	G 1 1/4	49,9	20	97,5	108,5	67	60	70	50	450	132,20	FI-RVV-35LR-WD-B-W3-1	
	42	250	G 1 1/2	54,9	22	97,5	109,5	64,5	60	70	60	540	137,40	FI-RVV-42LR-WD-B-W3-1	
S	6	400	G 1/4	18,9	12	57	65	38	22	27	17	55	12,95	FI-RVV-06SR-WD-B-W3-1	
	8	400	G 1/4	18,9	12	55	63	36	22	27	19	55	12,12	FI-RVV-08SR-WD-B-W3-1	
	10	400	G 3/8	21,9	12	57	66	37,5	22	27	22	80	13,32	FI-RVV-10SR-WD-B-W3-1	
	12	400	G 3/8	21,9	12	59	68	39,5	22	27	24	80	14,64	FI-RVV-12SR-WD-B-W3-1	
	14	400	G 1/2	26,9	14	64	74	42	27	32	27	115	20,26	FI-RVV-14SR-WD-B-W3-1	
	16	400	G 1/2	26,9	14	67	77	44,5	27	32	30	115	21,59	FI-RVV-16SR-WD-B-W3-1	
	20	400	G 3/4	31,9	16	79	90	52,5	41	46	36	180	50,90	FI-RVV-20SR-WD-B-W3-1	
	25	250	G 1	39,9	18	83	95	53	41	46	46	310	53,10	FI-RVV-25SR-WD-B-W3-1	
	30	250	G 1 1/4	49,9	20	94	107	60,5	50	55	50	450	86,00	FI-RVV-30SR-WD-B-W3-1	
	38	250	G 1 1/2	54,9	22	103,5	118,5	65,5	60	70	60	540	143,70	FI-RVV-38SR-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended. Please contact STAUFF prior to the assembly for further information.

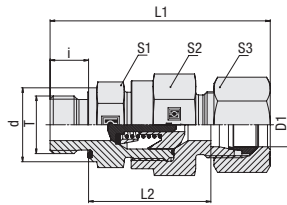
Opening pressure tolerance ± 20%.

Connecting Parts

-  Cutting Ring
Type **FI-DS** Page 28
-  Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
-  Support Sleeve
Type **FI-VH** Page 31
-  STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
-  Union Nut
Type **FI-M** Page 33
-  37° Flared Tube Fitting Set
Type **FI-AB** Page 37

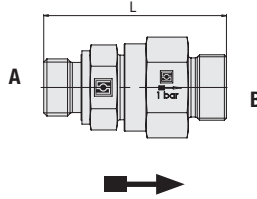
Spare Parts / Accessories

-  Profile Sealing Ring
Type **WDG** Page 238



Flow Direction: A > B (from Stud End)

Standard Opening Pressure: 1 bar



**Male Stud Check Valve
High-Pressure Version
Type FI-RVV-...-M-WD • Series L / S**



Profile Sealing Ring

Metric Parallel Thread

Series	Tube OD mm D1	PN bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L1 ¹	L2	S1	S2	S3			
L	6	400	M 10 x 1	13,9	8	51	59	36	22	27	14	18	10,58	FI-RVV-06LM-WD-B-W3-1	
	8	400	M 12 x 1,5	16,9	12	55	63	36	22	27	17	25	12,28	FI-RVV-08LM-WD-B-W3-1	
	10	400	M 14 x 1,5	18,9	12	53	61	34	22	27	19	45	11,39	FI-RVV-10LM-WD-B-W3-1	
	12	400	M 16 x 1,5	21,9	12	58	66	39	22	27	22	55	13,50	FI-RVV-12LM-WD-B-W3-1	
	15	400	M 18 x 1,5	23,9	12	60	68	41	27	32	27	70	18,42	FI-RVV-15LM-WD-B-W3-1	
	18	400	M 22 x 1,5	26,9	14	67	76	45,5	27	32	32	125	23,09	FI-RVV-18LM-WD-B-W3-1	
	22	250	M 26 x 1,5	31,9	16	77	86	53,5	41	46	36	180	46,70	FI-RVV-22LM-WD-B-W3-1	
	28	250	M 33 x 2	39,9	18	86	95	60,5	41	46	41	310	59,70	FI-RVV-28LM-WD-B-W3-1	
	35	250	M 42 x 2	49,9	20	97,5	108,5	67	60	70	50	450	132,20	FI-RVV-35LM-WD-B-W3-1	
	42	250	M 48 x 2	54,9	22	97,5	109,5	64,5	60	70	60	540	137,20	FI-RVV-42LM-WD-B-W3-1	
	S	6	400	M 12 x 1,5	16,9	12	57	65	38	22	27	17	35	11,23	FI-RVV-06SM-WD-B-W3-1
		8	400	M 14 x 1,5	18,9	12	55	63	36	22	27	19	55	11,55	FI-RVV-08SM-WD-B-W3-1
10		400	M 16 x 1,5	21,9	12	57	66	37,5	22	27	22	70	13,29	FI-RVV-10SM-WD-B-W3-1	
12		400	M 18 x 1,5	23,9	12	59	68	39,5	24	27	24	90	15,56	FI-RVV-12SM-WD-B-W3-1	
14		400	M 20 x 1,5	25,9	14	64	74	42	27	32	27	125	19,94	FI-RVV-14SM-WD-B-W3-1	
16		400	M 22 x 1,5	26,9	14	67	77	44,5	27	32	30	135	21,40	FI-RVV-16SM-WD-B-W3-1	
20		400	M 27 x 2	31,9	16	79	90	52,5	41	46	36	180	50,99	FI-RVV-20SM-WD-B-W3-1	
25		250	M 33 x 2	39,9	18	83	95	53	41	46	46	310	53,50	FI-RVV-25SM-WD-B-W3-1	
30		250	M 42 x 2	49,9	20	94	107	60,5	50	55	50	450	86,80	FI-RVV-30SM-WD-B-W3-1	
38		250	M 48 x 2	54,9	22	104	119	66	60	70	60	540	144,70	FI-RVV-38SM-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 9974-2 (Type E)

Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

Opening pressure tolerance ± 20%.

Ordering Codes

***FI-RVV*-10*L*M*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow from Stud End) **FI-RVV**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Metric Parallel Thread **M**

If required, please indicate special sizes, e.g. M12x1.5!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Fitting body only **-**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

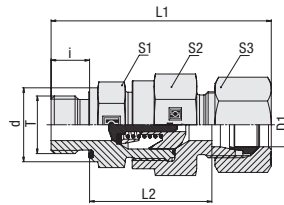
Connecting Parts

-  Cutting Ring
Type **FI-DS** Page 28
-  Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
-  Support Sleeve
Type **FI-VH** Page 31
-  STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
-  Union Nut
Type **FI-M** Page 33
-  37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Spare Parts / Accessories

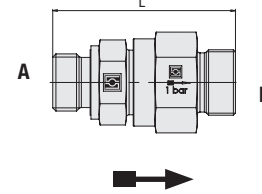
-  Profile Sealing Ring
Type **WDG** Page 238

**Male Stud Check Valve
Standard Version
Type FI-RVVA-...-R-WD • Series L / S**



Flow Direction: A > B (from Stud End)

Standard Opening Pressure: 1 bar



Whitworth Parallel Pipe Thread (BSPP)

Profile Sealing Ring

Ordering Codes

***FI-RVVA*-10*L*R*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow from Stud End) **FI-RVVA**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Whitworth Parallel Pipe Thread (BSPP) **R**

If required, please indicate special sizes, e.g. R1/8!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Valve body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

Series	Tube OD mm D1	PB bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L ¹	L2	S1	S2	S3			
L	6	250	G 1/8	13,9	8	44	52	29	17	17	14	18	5,7	FI-RVVA-06LR-WD-B-W3-1	
	8	250	G 1/4	18,9	12	49	57	30	19	19	17	35	6,2	FI-RVVA-08LR-WD-B-W3-1	
	10	250	G 1/4	18,9	12	59,5	67,5	40,5	22	24	19	35	10,6	FI-RVVA-10LR-WD-B-W3-1	
	12	250	G 3/8	21,9	12	61,5	69,5	42,5	27	30	22	70	17,2	FI-RVVA-12LR-WD-B-W3-1	
	15	250	G 1/2	26,9	14	66,5	74,5	45,5	30	32	27	90	21,9	FI-RVVA-15LR-WD-B-W3-1	
	18	160	G 1/2	26,9	14	72,5	81,5	51	36	36	32	90	30,1	FI-RVVA-18LR-WD-B-W3-1	
	22	160	G 3/4	31,9	16	80	89	56,5	41	46	36	180	48,8	FI-RVVA-22LR-WD-B-W3-1	
	28	100	G 1	39,9	18	92	101	66,5	50	55	41	310	81,0	FI-RVVA-28LR-WD-B-W3-1	
	35	100	G 1 1/4	49,9	20	102,5	113,5	72	60	65	50	450	126,6	FI-RVVA-35LR-WD-B-W3-1	
	42	100	G 1 1/2	54,9	22	109,5	121,5	76,5	65	75	60	540	170,1	FI-RVVA-42LR-WD-B-W3-1	
S	6	630	G 1/4	18,9	12	50,5	58,5	31,5	19	19	17	55	7,0	FI-RVVA-06SR-WD-B-W3-1	
	8	630	G 1/4	18,9	12	50,5	58,5	31,5	19	19	19	55	6,8	FI-RVVA-08SR-WD-B-W3-1	
	10	630	G 3/8	21,9	12	57,5	66,5	38	22	24	22	80	12,0	FI-RVVA-10SR-WD-B-W3-1	
	12	630	G 3/8	21,9	12	60,5	69,5	41	24	27	24	80	14,9	FI-RVVA-12SR-WD-B-W3-1	
	14	630	G 1/2	26,9	14	66,5	76,5	44,5	27	32	27	115	22,2	FI-RVVA-14SR-WD-B-W3-1	
	16	400	G 1/2	26,9	14	70,5	80,5	48	32	36	30	115	28,1	FI-RVVA-16SR-WD-B-W3-1	
	20	400	G 3/4	31,9	16	78,5	89,5	52	41	46	36	180	50,2	FI-RVVA-20SR-WD-B-W3-1	
	25	400	G 1	39,9	18	87,5	99,5	57,5	46	50	46	310	65,7	FI-RVVA-25SR-WD-B-W3-1	
	30	250	G 1 1/4	49,9	20	97,5	110,5	64	55	60	50	450	108,2	FI-RVVA-30SR-WD-B-W3-1	
	38	250	G 1 1/2	54,9	22	109,5	124,5	71,5	65	70	60	540	162,1	FI-RVVA-38SR-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

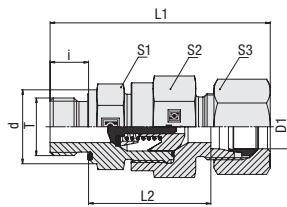
Opening pressure tolerance ± 20%.

Connecting Parts

-  Cutting Ring
Type **FI-DS** Page 28
-  Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
-  Support Sleeve
Type **FI-VH** Page 31
-  STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
-  Union Nut
Type **FI-M** Page 33
-  37° Flared Tube Fitting Set
Type **FI-AB** Page 37

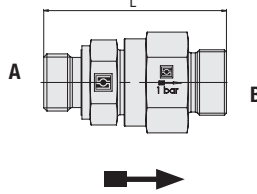
Spare Parts / Accessories

-  Profile Sealing Ring
Type **WDG** Page 238



Flow Direction: A > B (from Stud End)

Standard Opening Pressure: 1 bar



**Male Stud Check Valve
Standard Version
Type FI-RVVA-...-M-WD • Series L / S**



Profile Sealing Ring

Metric Parallel Thread

Series	Tube OD mm D1	PB bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L1 ¹	L2	S1	S2	S3			
L	6	250	M 10 x 1	13,9	8	44	52	29	17	17	14	18	4,6	FI-RVVA-06LM-WD-B-W3-1	
	8	250	M 12 x 1,5	16,9	12	48	56	29	19	19	17	25	7,5	FI-RVVA-08LM-WD-B-W3-1	
	10	250	M 14 x 1,5	18,9	12	59	67	40	22	24	19	45	10,6	FI-RVVA-10LM-WD-B-W3-1	
	12	250	M 16 x 1,5	21,9	12	61,5	69,5	42,5	27	30	22	55	17,3	FI-RVVA-12LM-WD-B-W3-1	
	15	250	M 18 x 1,5	23,9	12	64,5	72,5	45,5	30	32	27	70	20,8	FI-RVVA-15LM-WD-B-W3-1	
	18	160	M 22 x 1,5	26,9	14	71,5	80,5	50	36	36	32	125	36,6	FI-RVVA-18LM-WD-B-W3-1	
	22	160	M 26 x 1,5	31,9	16	81	90	57,5	41	46	36	180	49,9	FI-RVVA-22LM-WD-B-W3-1	
	28	100	M 33 x 2	39,9	18	92	101	66,5	50	55	41	310	81,5	FI-RVVA-28LM-WD-B-W3-1	
	35	100	M 42 x 2	49,9	20	101,5	112,5	71	60	65	50	450	124,8	FI-RVVA-35LM-WD-B-W3-1	
	42	100	M 48 x 2	54,9	22	109,5	121,5	76,5	65	75	60	540	169,6	FI-RVVA-42LM-WD-B-W3-1	
	S	6	630	M 12 x 1,5	16,9	12	50,5	58,5	31,5	19	19	17	35	9,0	FI-RVVA-06SM-WD-B-W3-1
		8	630	M 14 x 1,5	18,9	12	50,5	58,5	31,5	19	19	19	55	7,0	FI-RVVA-08SM-WD-B-W3-1
10		630	M 16 x 1,5	21,9	12	57,5	66,5	38	22	24	22	70	15,6	FI-RVVA-10SM-WD-B-W3-1	
12		630	M 18 x 1,5	23,9	12	60,5	69,5	41	24	27	24	90	15,4	FI-RVVA-12SM-WD-B-W3-1	
14		630	M 20 x 1,5	25,9	14	66,5	76,5	44,5	27	32	27	125	27,2	FI-RVVA-14SM-WD-B-W3-1	
16		400	M 22 x 1,5	26,9	14	70,5	80,5	48	32	36	30	135	36,0	FI-RVVA-16SM-WD-B-W3-1	
20		400	M 27 x 2	31,9	16	78,5	89,5	52	41	46	36	180	50,3	FI-RVVA-20SM-WD-B-W3-1	
25		400	M 33 x 2	39,9	18	87	99	57	46	50	46	310	87,3	FI-RVVA-25SM-WD-B-W3-1	
30		250	M 42 x 2	49,9	20	99,5	112,5	66	55	60	50	450	113,2	FI-RVVA-30SM-WD-B-W3-1	
38		250	M 48 x 2	54,9	22	110	125	72	65	70	60	540	197,3	FI-RVVA-38SM-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 9974-2 (Type E)

Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

Opening pressure tolerance ± 20%.

Ordering Codes

***FI-RVVA*-10*L*M*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow from Stud End) **FI-RVVA**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Metric Parallel Thread **M**

If required, please indicate special sizes, e.g. M12x1.5!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Fitting body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

Connecting Parts

Cutting Ring
Type **FI-DS** Page 28

Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29

Support Sleeve
Type **FI-VH** Page 31

STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32

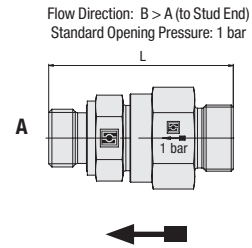
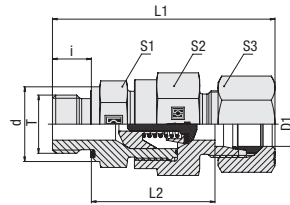
Union Nut
Type **FI-M** Page 33

37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Spare Parts / Accessories

Profile Sealing Ring
Type **WDG** Page 238

**Male Stud Check Valve
High-Pressure Version
Type FI-RVZ-...-R-WD • Series L / S**



Whitworth Parallel Pipe Thread (BSPP)

Profile Sealing Ring

Ordering Codes

***FI-RVZ*-10*L*R*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow to Stud End) **FI-RVZ**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Whitworth Parallel Pipe Thread (BSPP) **R**

If required, please indicate special sizes, e.g. R1/8!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Valve body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

Series	Tube OD mm D1	PN bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L ¹	L2	S1	S2	S3			
L	6	400	G 1/8	13,9	8	51	59	36	22	27	14	18	12,07	FI-RVZ-06LR-WD-B-W3-1	
	8	400	G 1/4	18,9	12	55	63	36	22	27	17	35	12,56	FI-RVZ-08LR-WD-B-W3-1	
	10	400	G 1/4	18,9	12	53	61	34	22	27	19	35	11,38	FI-RVZ-10LR-WD-B-W3-1	
	12	400	G 3/8	21,9	12	58	66	39	22	27	22	70	13,64	FI-RVZ-12LR-WD-B-W3-1	
	15	400	G 1/2	26,9	14	62	70	41	27	32	27	90	19,15	FI-RVZ-15LR-WD-B-W3-1	
	18	400	G 1/2	26,9	14	67	76	45,5	27	32	32	90	22,67	FI-RVZ-18LR-WD-B-W3-1	
	22	250	G 3/4	31,9	16	77	86	53,5	46	41	36	180	45,69	FI-RVZ-22LR-WD-B-W3-1	
	28	250	G 1	39,9	18	80	89	54,5	46	41	41	310	52,60	FI-RVZ-28LR-WD-B-W3-1	
	35	250	G 1 1/4	49,9	20	97,5	108,5	67	60	70	50	450	130,70	FI-RVZ-35LR-WD-B-W3-1	
	42	250	G 1 1/2	54,9	22	97,5	109,5	64,5	60	70	60	540	137,40	FI-RVZ-42LR-WD-B-W3-1	
S	6	400	G 1/4	18,9	12	57	65	38	22	27	17	55	12,92	FI-RVZ-06SR-WD-B-W3-1	
	8	400	G 1/4	18,9	12	55	63	36	22	27	19	55	12,18	FI-RVZ-08SR-WD-B-W3-1	
	10	400	G 3/8	21,9	12	57	66	37,5	22	27	22	80	13,30	FI-RVZ-10SR-WD-B-W3-1	
	12	400	G 3/8	21,9	12	59	68	39,5	22	27	24	80	14,64	FI-RVZ-12SR-WD-B-W3-1	
	14	400	G 1/2	26,9	14	64	74	42	27	32	27	115	20,23	FI-RVZ-14SR-WD-B-W3-1	
	16	400	G 1/2	26,9	14	67	77	44,5	27	32	30	115	21,61	FI-RVZ-16SR-WD-B-W3-1	
	20	400	G 3/4	31,9	16	79,5	90,5	53	46	41	36	180	46,63	FI-RVZ-20SR-WD-B-W3-1	
	25	250	G 1	39,9	18	83	95	53	46	41	46	310	53,10	FI-RVZ-25SR-WD-B-W3-1	
	30	250	G 1 1/4	49,9	20	94	107	60,5	50	55	50	450	85,80	FI-RVZ-30SR-WD-B-W3-1	
	38	250	G 1 1/2	54,9	22	103,5	118,5	65,5	60	70	60	540	143,40	FI-RVZ-38SR-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

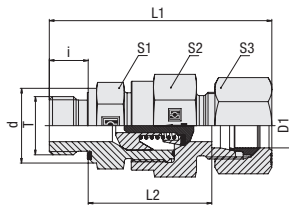
Opening pressure tolerance ± 20%.

Connecting Parts

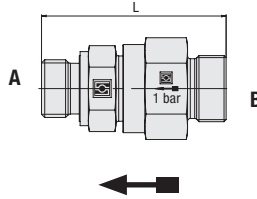
-  Cutting Ring
Type **FI-DS** Page 28
-  Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
-  Support Sleeve
Type **FI-VH** Page 31
-  STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
-  Union Nut
Type **FI-M** Page 33
-  37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Spare Parts / Accessories

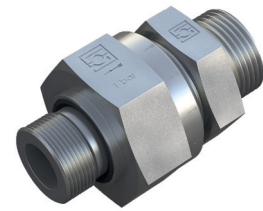
-  Profile Sealing Ring
Type **WDG** Page 238



Flow Direction: B > A (to Stud End)
Standard Opening Pressure: 1 bar



**Male Stud Check Valve
High-Pressure Version
Type FI-RVZ-...-M-WD • Series L / S**



Profile Sealing Ring

Metric Parallel Thread

Series	Tube OD mm D1	PN bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L1 ¹	L2	S1	S2	S3			
L	6	400	M 10 x 1	13,9	8	51	59	36	22	27	14	18	12,20	FI-RVZ-06LM-WD-B-W3-1	
	8	400	M 12 x 1,5	16,9	12	55	63	36	22	27	17	25	12,31	FI-RVZ-08LM-WD-B-W3-1	
	10	400	M 14 x 1,5	18,9	12	53	61	34	22	27	19	45	11,40	FI-RVZ-10LM-WD-B-W3-1	
	12	400	M 16 x 1,5	21,9	12	58	66	39	22	27	22	55	14,02	FI-RVZ-12LM-WD-B-W3-1	
	15	400	M 18 x 1,5	23,9	12	60	68	41	27	32	27	70	19,06	FI-RVZ-15LM-WD-B-W3-1	
	18	400	M 22 x 1,5	26,9	14	67	76	45,5	27	32	32	125	10,27	FI-RVZ-18LM-WD-B-W3-1	
	22	250	M 26 x 1,5	31,9	16	78	87	54,5	46	41	36	180	46,73	FI-RVZ-22LM-WD-B-W3-1	
	28	250	M 33 x 2	39,9	18	80	89	54,5	46	41	41	310	52,70	FI-RVZ-28LM-WD-B-W3-1	
	35	250	M 42 x 2	49,9	20	97,5	108,5	67	60	70	50	450	132,30	FI-RVZ-35LM-WD-B-W3-1	
	42	250	M 48 x 2	54,9	22	97,5	109,5	64,5	60	70	60	540	137,70	FI-RVZ-42LM-WD-B-W3-1	
	S	6	400	M 12 x 1,5	16,9	12	57	65	38	22	27	17	35	12,66	FI-RVZ-06SM-WD-B-W3-1
		8	400	M 14 x 1,5	18,9	12	55	63	36	22	27	19	55	12,21	FI-RVZ-08SM-WD-B-W3-1
10		400	M 16 x 1,5	21,9	12	57	66	37,5	22	27	22	70	6,64	FI-RVZ-10SM-WD-B-W3-1	
12		400	M 18 x 1,5	23,9	12	59	68	39,5	24	27	24	90	15,58	FI-RVZ-12SM-WD-B-W3-1	
14		400	M 20 x 1,5	25,9	14	64	74	42	27	32	27	125	19,98	FI-RVZ-14SM-WD-B-W3-1	
16		400	M 22 x 1,5	26,9	14	67	77	44,5	27	32	30	135	21,94	FI-RVZ-16SM-WD-B-W3-1	
20		400	M 27 x 2	31,9	16	78	89	51,5	46	41	36	180	53,51	FI-RVZ-20SM-WD-B-W3-1	
25		250	M 33 x 2	39,9	18	83	95	53	46	41	46	310	53,10	FI-RVZ-25SM-WD-B-W3-1	
30		250	M 42 x 2	49,9	20	94	107	60,5	50	55	50	450	86,00	FI-RVZ-30SM-WD-B-W3-1	
38		250	M 48 x 2	54,9	22	103,5	118,5	65,5	60	70	60	540	143,90	FI-RVZ-38SM-WD-B-W3-1	

¹ Approximate dimension in assembled condition.
² Weight excluding cutting ring and union nut.
³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).
Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 9974-2 (Type E)
Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.
Please contact STAUFF prior to the assembly for further information.

Opening pressure tolerance ± 20%.

Ordering Codes

***FI-RVZ*-10*L*M*-WD*-B*-W3*-1*-MS**

- * Male Stud Check Valve (Flow to Stud End) **FI-RVZ**
- * Outside Tube Diameter D1 (in mm) **-10**
- * Series Light Series **L**
Heavy Series **S**
- * Thread Type Metric Parallel Thread **M**
- If required, please indicate special sizes, e.g. M12x1.5!
- * Seal Type Profile Sealing Ring **-WD**
- * Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**
- * Material Code Steel, zinc/nickel-plated **-W3**
- Please contact STAUFF for alternative materials and surface finishings.
- * Opening Pressure 1 bar **1**
- Contact STAUFF for alternative opening pressures.
- * Assembling / Kitting Valve body only **-**
Valve body supplied with cutting ring and union nut **-MS**
Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

M

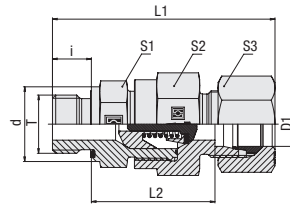
Connecting Parts

- Cutting Ring
Type **FI-DS** Page 28
- Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
- Support Sleeve
Type **FI-VH** Page 31
- STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
- Union Nut
Type **FI-M** Page 33
- 37° Flared Tube Fitting Set
Type **FI-AB** Page 37

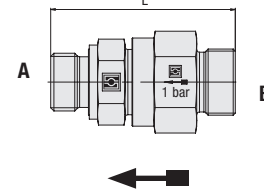
Spare Parts / Accessories

- Profile Sealing Ring
Type **WDG** Page 238

Male Stud Check Valve Standard Version Type FI-RVZA...-R-WD • Series L / S



Flow Direction: B > A (to Stud End)
Standard Opening Pressure: 1 bar



Whitworth Parallel Pipe Thread (BSPP)

Profile Sealing Ring

Ordering Codes

***FI-RVZA*-10*L*R*-WD*-B*-W3*-1*-MS**

* Male Stud Check Valve (Flow to Stud End) **FI-RVZA**

* Outside Tube Diameter D1 (in mm) **-10**

* Series Light Series **L**
Heavy Series **S**

* Thread Type Whitworth Parallel Pipe Thread (BSPP) **R**

If required, please indicate special sizes, e.g. R1/8!

* Seal Type Profile Sealing Ring **-WD**

* Seal Material NBR (Buna-N®) **-B**
FKM (Viton®) **-V**

* Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

* Assembling / Kitting Valve body only **—**

Valve body supplied with cutting ring and union nut **-MS**

Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

Series	Tube OD mm D1	PB bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L ¹	L2	S1	S2	S3			
L	6	250	G 1/8	13,9	8	43	51	28	17	17	14	18	4,5	FI-RVZA-06LR-WD-B-W3-1	
	8	250	G 1/4	18,9	12	47,5	55,5	28,5	19	19	17	35	5,8	FI-RVZA-08LR-WD-B-W3-1	
	10	250	G 1/4	18,9	12	59	67	40	22	24	19	35	10,6	FI-RVZA-10LR-WD-B-W3-1	
	12	250	G 3/8	21,9	12	60,5	68,5	41,5	27	30	22	70	16,8	FI-RVZA-12LR-WD-B-W3-1	
	15	250	G 1/2	26,9	14	65	73	44	30	32	27	90	20,8	FI-RVZA-15LR-WD-B-W3-1	
	18	160	G 1/2	26,9	14	69,5	78,5	48	36	36	32	90	28,0	FI-RVZA-18LR-WD-B-W3-1	
	22	160	G 3/4	31,9	16	80,5	89,5	57	41	46	36	180	49,4	FI-RVZA-22LR-WD-B-W3-1	
	28	100	G 1	39,9	18	92,5	101,5	67	50	55	41	310	81,9	FI-RVZA-28LR-WD-B-W3-1	
	35	100	G 1 1/4	49,9	20	102	113	71,5	60	65	50	450	121,7	FI-RVZA-35LR-WD-B-W3-1	
	42	100	G 1 1/2	54,9	22	108,5	120,5	75,5	65	75	60	540	167,2	FI-RVZA-42LR-WD-B-W3-1	
S	6	630	G 1/4	18,9	12	50,5	58,5	31,5	19	19	17	55	7,0	FI-RVZA-06SR-WD-B-W3-1	
	8	630	G 1/4	18,9	12	50,5	58,5	31,5	19	19	19	55	6,9	FI-RVZA-08SR-WD-B-W3-1	
	10	630	G 3/8	21,9	12	57,5	66,5	38	22	24	22	80	12,0	FI-RVZA-10SR-WD-B-W3-1	
	12	630	G 3/8	21,9	12	60,5	69,5	41	24	27	24	80	15,0	FI-RVZA-12SR-WD-B-W3-1	
	14	630	G 1/2	26,9	14	65,5	75,5	43,5	27	32	27	115	21,6	FI-RVZA-14SR-WD-B-W3-1	
	16	400	G 1/2	26,9	14	70,5	80,5	48	32	36	30	115	28,0	FI-RVZA-16SR-WD-B-W3-1	
	20	400	G 3/4	31,9	16	78,5	89,5	52	41	46	36	180	50,7	FI-RVZA-20SR-WD-B-W3-1	
	25	400	G 1	39,9	18	87	99	57	46	50	46	310	65,6	FI-RVZA-25SR-WD-B-W3-1	
	30	250	G 1 1/4	49,9	20	99,5	112,5	66	55	60	50	450	108,5	FI-RVZA-30SR-WD-B-W3-1	
	38	250	G 1 1/2	54,9	22	110,5	125,5	72,5	65	70	60	540	161,8	FI-RVZA-38SR-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 1179-2 (Type E)

Port acc. to ISO 1179-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

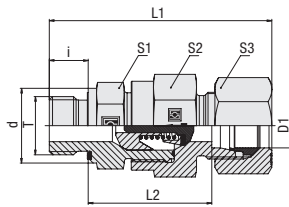
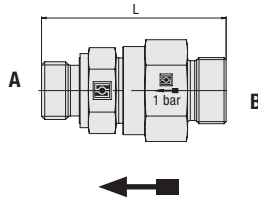
Opening pressure tolerance ± 20%.

Connecting Parts

-  Cutting Ring
Type **FI-DS** Page 28
-  Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 29
-  Support Sleeve
Type **FI-VH** Page 31
-  STAUFF Form EVO Sealing Ring
Type **FI-FD** Page 32
-  Union Nut
Type **FI-M** Page 33
-  37° Flared Tube Fitting Set
Type **FI-AB** Page 37

Spare Parts / Accessories

-  Profile Sealing Ring
Type **WDG** Page 238


 Flow Direction: B > A (to Stud End)
 Standard Opening Pressure: 1 bar


Male Stud Check Valve Standard Version Type FI-RVZA-...-M-WD • Series L / S



Profile Sealing Ring

Metric Parallel Thread

Series	Tube OD mm D1	PB bar	Dimensions mm										Torque N-m Thread T	Weight kg ca. per 100	Ordering Codes ³
			Thread	T	d	i	L	L1 ¹	L2	S1	S2	S3			
L	6	250	M 10 x 1	13,9	8	43	51	28	17	17	14	18	5,7	FI-RVZA-06LM-WD-B-W3-1	
	8	250	M 12 x 1,5	16,9	12	47,5	55,5	28,5	19	19	17	25	5,5	FI-RVZA-08LM-WD-B-W3-1	
	10	250	M 14 x 1,5	18,9	12	57,5	65,5	38,5	22	24	19	45	10,3	FI-RVZA-10LM-WD-B-W3-1	
	12	250	M 16 x 1,5	21,9	12	60	68	41	27	30	22	55	16,5	FI-RVZA-12LM-WD-B-W3-1	
	15	250	M 18 x 1,5	23,9	12	63	71	44	30	32	27	70	19,9	FI-RVZA-15LM-WD-B-W3-1	
	18	160	M 22 x 1,5	26,9	14	69,5	78,5	48	36	36	32	125	28,3	FI-RVZA-18LM-WD-B-W3-1	
	22	160	M 26 x 1,5	31,9	16	79,5	88,5	56	41	46	36	180	47,9	FI-RVZA-22LM-WD-B-W3-1	
	28	100	M 33 x 2	39,9	18	91	100	65,5	50	55	41	310	79,4	FI-RVZA-28LM-WD-B-W3-1	
	35	100	M 42 x 2	49,9	20	102	113	71,5	60	65	50	450	125,8	FI-RVZA-35LM-WD-B-W3-1	
	42	100	M 48 x 2	54,9	22	108,5	120,5	75,5	65	75	60	540	194,0	FI-RVZA-42LM-WD-B-W3-1	
	S	6	630	M 12 x 1,5	16,9	12	50,5	58,5	31,5	19	19	17	35	9,3	FI-RVZA-06SM-WD-B-W3-1
		8	630	M 14 x 1,5	18,9	12	50,5	58,5	31,5	19	19	19	55	9,2	FI-RVZA-08SM-WD-B-W3-1
10		630	M 16 x 1,5	21,9	12	57,5	66,5	38	22	24	22	70	11,8	FI-RVZA-10SM-WD-B-W3-1	
12		630	M 18 x 1,5	23,9	12	60,5	69,5	41	24	27	24	90	18,9	FI-RVZA-12SM-WD-B-W3-1	
14		630	M 20 x 1,5	25,9	14	65,5	75,5	43,5	27	32	27	125	27,9	FI-RVZA-14SM-WD-B-W3-1	
16		400	M 22 x 1,5	26,9	14	69	79	46,5	32	36	30	135	27,5	FI-RVZA-16SM-WD-B-W3-1	
20		400	M 27 x 2	31,9	16	78,5	89,5	52	41	46	36	180	50,3	FI-RVZA-20SM-WD-B-W3-1	
25		400	M 33 x 2	39,9	18	87	99	57	46	50	46	310	65,5	FI-RVZA-25SM-WD-B-W3-1	
30		250	M 42 x 2	49,9	20	99,5	112,5	66	55	60	50	450	133,8	FI-RVZA-30SM-WD-B-W3-1	
38		250	M 48 x 2	54,9	22	110,5	125,5	72,5	65	70	60	540	196,9	FI-RVZA-38SM-WD-B-W3-1	

¹ Approximate dimension in assembled condition.

² Weight excluding cutting ring and union nut.

³ Standard scope of delivery: Valve body only.

Standard seal material is NBR (Buna-N®).

Please note: Internal seals are made of FKM (Viton®).

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Male stud acc. to ISO 9974-2 (Type E)

Port acc. to ISO 9974-1

Torque recommendations for Steel mating material.

Male threaded studs were designed for female threaded ports in components made of steel. For applications with components made of softer mating materials (e.g. Aluminium), the use of connectors with additionally rolled male threads is recommended.

Please contact STAUFF prior to the assembly for further information.

Opening pressure tolerance ± 20%.

Ordering Codes

***FI-RVZA*-10*L*M*-WD*-B*-W3*-1*-MS**

 * Male Stud Check Valve (Flow to Stud End) **FI-RVZA**

 * Outside Tube Diameter D1 (in mm) **-10**

 * Series Light Series **L**
 Heavy Series **S**

 * Thread Type Metric Parallel Thread **M**

If required, please indicate special sizes, e.g. M12x1.5!

 * Seal Type Profile Sealing Ring **-WD**

 * Seal Material NBR (Buna-N®) **-B**
 FKM (Viton®) **-V**

 * Material Code Steel, zinc/nickel-plated **-W3**

Please contact STAUFF for alternative materials and surface finishings.

 * Opening Pressure 1 bar **1**

Contact STAUFF for alternative opening pressures.

 * Assembling / Kitting Valve body only **—**

 Valve body supplied with cutting ring and union nut **-MS**

 Valve body supplied with soft-sealing cutting ring and union nut **-MSV**

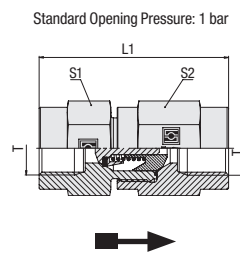
Connecting Parts

	Cutting Ring Type FI-DS	Page 28
	Soft-Sealing Cutting Ring Type FI-WDDS	Page 29
	Support Sleeve Type FI-VH	Page 31
	STAUFF Form EVO Sealing Ring Type FI-FD	Page 32
	Union Nut Type FI-M	Page 33
	37° Flared Tube Fitting Set Type FI-AB	Page 37

Spare Parts / Accessories

	Profile Sealing Ring Type WDG	Page 238
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**Female Stud Check Valve
High-Pressure Version
Type FI-RVI-...-R**



Female Whitworth Parallel Pipe Thread (BSPP)

Ordering Codes

***FI-RVI*-R*1/2*-W3*-1**

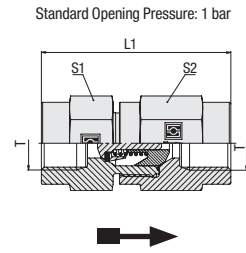
- * Female Stud Check Valve **FI-RVI**
- * Thread Type Female Whitworth Parallel Pipe Thread (BSPP) **R**
- * Thread Size acc. to dimension table **1/2**
- Please always indicate thread sizes, e.g. 1/2!
- * Material Code Steel, zinc/nickel-plated **-W3**
- Please contact STAUFF for alternative materials and surface finishings.
- * Opening Pressure 1 bar **1**
- Contact STAUFF for alternative opening pressures.

PN bar	Dimensions mm				Weight kg ca. per 100	Ordering Codes
	Thread T	L1	S1	S2		
400	G 1/8	53	22	27	17,72	FI-RVI-R1/8-W3-1
400	G 1/4	63	22	27	18,60	FI-RVI-R1/4-W3-1
400	G 3/8	62	24	27	17,69	FI-RVI-R3/8-W3-1
315	G 1/2	73,5	32	32	34,03	FI-RVI-R1/2-W3-1
250	G 3/4	94,5	41	46	75,00	FI-RVI-R3/4-W3-1
250	G 1	99,5	46	46	84,34	FI-RVI-R1-W3-1
250	G 1 1/4	114,5	60	60	168,10	FI-RVI-R1-1/4-W3-1
250	G 1 1/2	118,5	65	70	210,90	FI-RVI-R1-1/2-W3-1

Please note: Internal seals are made of FKM (Viton®).

Opening pressure tolerance ± 20%.

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.



Female Stud Check Valve Standard Version Type FI-RVIA-...-R



Female Whitworth Parallel Pipe Thread (BSPP)

PB bar	Dimensions mm				Weight kg ca. per 100	Ordering Codes
	Thread T	L1	S1	S2		
250	G 1/8	50,5	19	19	10,4	FI-RVIA-R1/8-W3-1
250	G 1/4	55	19	19	11,7	FI-RVIA-R1/4-W3-1
250	G 3/8	68,5	24	27	21,0	FI-RVIA-R3/8-W3-1
250	G 1/2	74	32	36	35,5	FI-RVIA-R1/2-W3-1
160	G 3/4	84	41	46	80,7	FI-RVIA-R3/4-W3-1
160	G 1	96,5	46	50	89,2	FI-RVIA-R1-W3-1
100	G 1 1/4	110	60	60	189,0	FI-RVIA-R1-1/4-W3-1
100	G 1 1/2	119	65	70	237,6	FI-RVIA-R1-1/2-W3-1

Please note: Internal seals are made of FKM (Viton®).

Opening pressure tolerance $\pm 20\%$.

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Ordering Codes

***FI-RVIA*-R*1/2*-W3*-1**

* Female Stud Check Valve FI-RVIA

* Thread Type Female Whitworth Parallel Pipe Thread (BSPP) R

* Thread Size acc. to dimension table 1/2

Please always indicate thread sizes, e.g. 1/2!

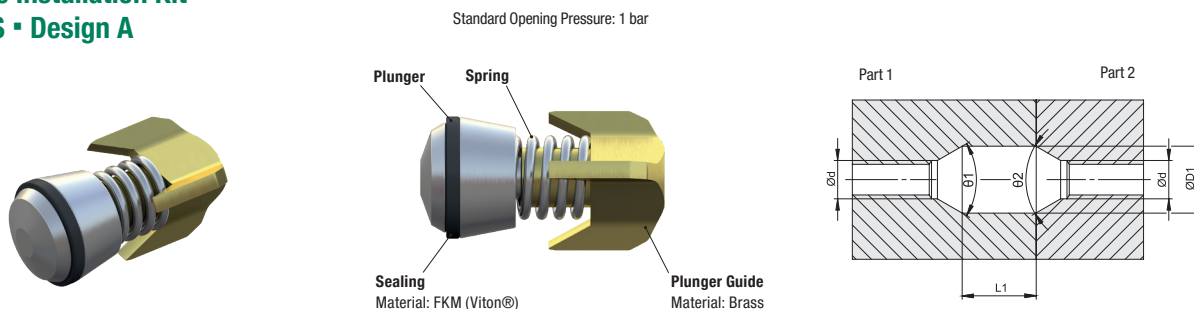
* Material Code Steel, zinc/nickel-plated -W3

Please contact STAUFF for alternative materials and surface finishings.

* Opening Pressure 1 bar 1

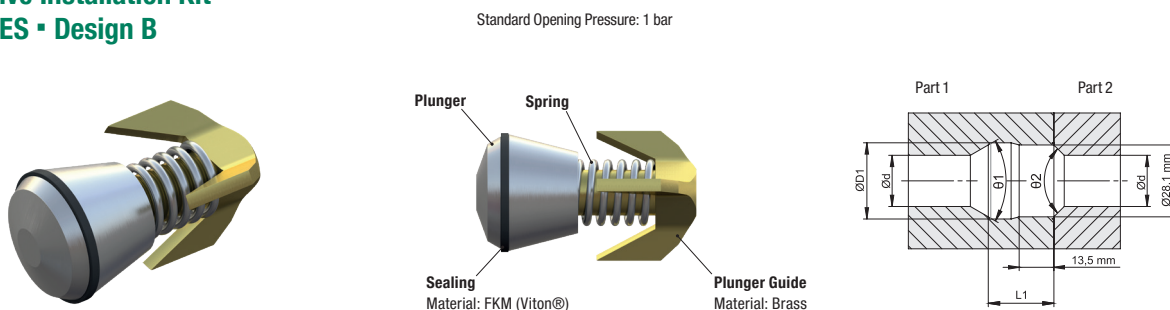
Contact STAUFF for alternative opening pressures.

Check Valve Installation Kit Type FI-VES • Design A



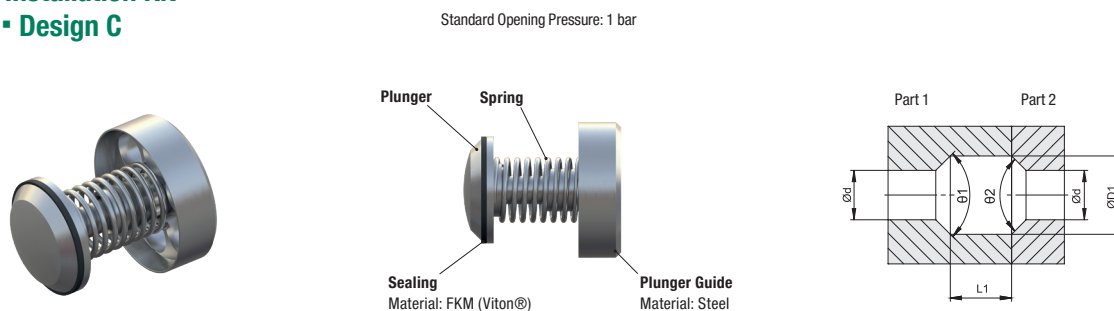
Tube OD mm				Dimensions mm					Ordering Codes
6	8	10	12	d	D1	L1	Ø1	Ø2	
6	8	10	12	7,5	13,1	14,5	60	60	FI-VES-NW06-1
14	15	16	18	11,5	17,6	17	60	60	FI-VES-NW10-1

Check Valve Installation Kit Type FI-VES • Design B



Tube OD mm				Dimensions mm					Ordering Codes
20	22	25	28	d	D1	L1	Ø1	Ø2	
20	22	25	28	20	29,8	25,7	60	90	FI-VES-NW16-1

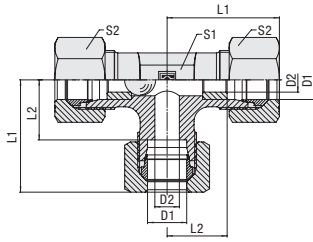
Check Valve Installation Kit Type FI-VES • Design C



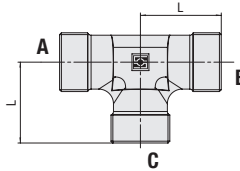
Tube OD mm				Dimensions mm					Ordering Codes
30	35	38	42	d	D1	L1	Ø1	Ø2	
30				24	38	33	90	90	FI-VES-NW25-1
35	38	42		29	46	36	90	90	FI-VES-NW32-1

M

Alternating Valve
Type FI-WV • Series L / S



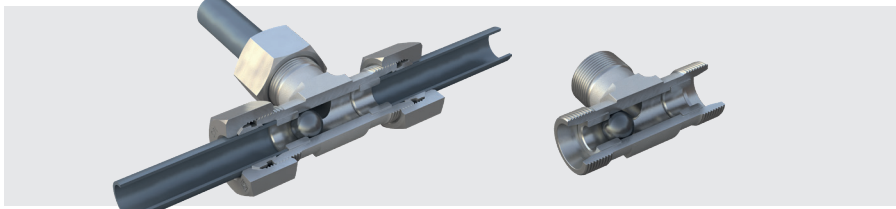
Flow Directions:
A > C (B closed) or B > C (A closed)



Recommended Installation Position



Series	Tube OD		PB	Dimensions				Weight kg ca. per 100	Ordering Codes ³	
	mm	bar		mm	L	L1 ¹	L2			S1
L	8	250	4	21	29	14	14	17	5,50	FI-WV-08L-W3
	10	250	6	22	30	15	17	19	7,30	FI-WV-10L-W3
	12	250	8	24	32	17	19	22	10,27	FI-WV-12L-W3
	15	250	9	28	36	21	19	27	10,95	FI-WV-15L-W3
S	6	630	4	23	31	16	14	17	7,04	FI-WV-06S-W3
	8	630	4	24	32	17	17	19	9,49	FI-WV-08S-W3
	10	630	6	25	34	17,5	19	22	12,41	FI-WV-10S-W3
	12	630	8	29	38	21,5	22	24	17,10	FI-WV-12S-W3
	16	400	10	33	43	24,5	24	30	19,60	FI-WV-16S-W3



¹ Approximate dimension in assembled condition.
² Weight excluding cutting rings and union nuts.
³ Standard scope of delivery: Valve body only.

In order to make sure that the valves will be suitable for your particular application, please contact STAUFF with details on media, operating pressure, pressure peaks, operating temperature and the expected frequency of valve actuations.

Do not use with compressed air or gas!

Spillage: 1-1,5cm³/min at Pmax

Please note: Alternating valves have been designed as switching devices for hydraulic fluids, where the non-pressurized connection of the valve is automatically closed off and sealed by a moving ball made of steel.

Alternating valves are only suitable for connections that fit directly against the tube end stop of the valve body. Do not use in combination with 24° weld cone fittings, 24° DKO taper fittings and other types of fittings with no direct contact to the tube end stop of the valve body.

Ordering Codes

FI-WV-10*L*-W3*-MS

* Alternating Valve		FI-WV
* Outside Tube Diameter D1 (in mm)		-10
* Series	Light Series	L
	Heavy Series	S
* Material Code	Steel, zinc/nickel-plated	-W3
Please contact STAUFF for alternative materials and surface finishings.		
* Assembling / Kitting	Valve body only	—
	Valve body supplied with cutting rings and union nuts	-MS
	Valve body supplied with soft-sealing cutting rings and union nuts	-MSV

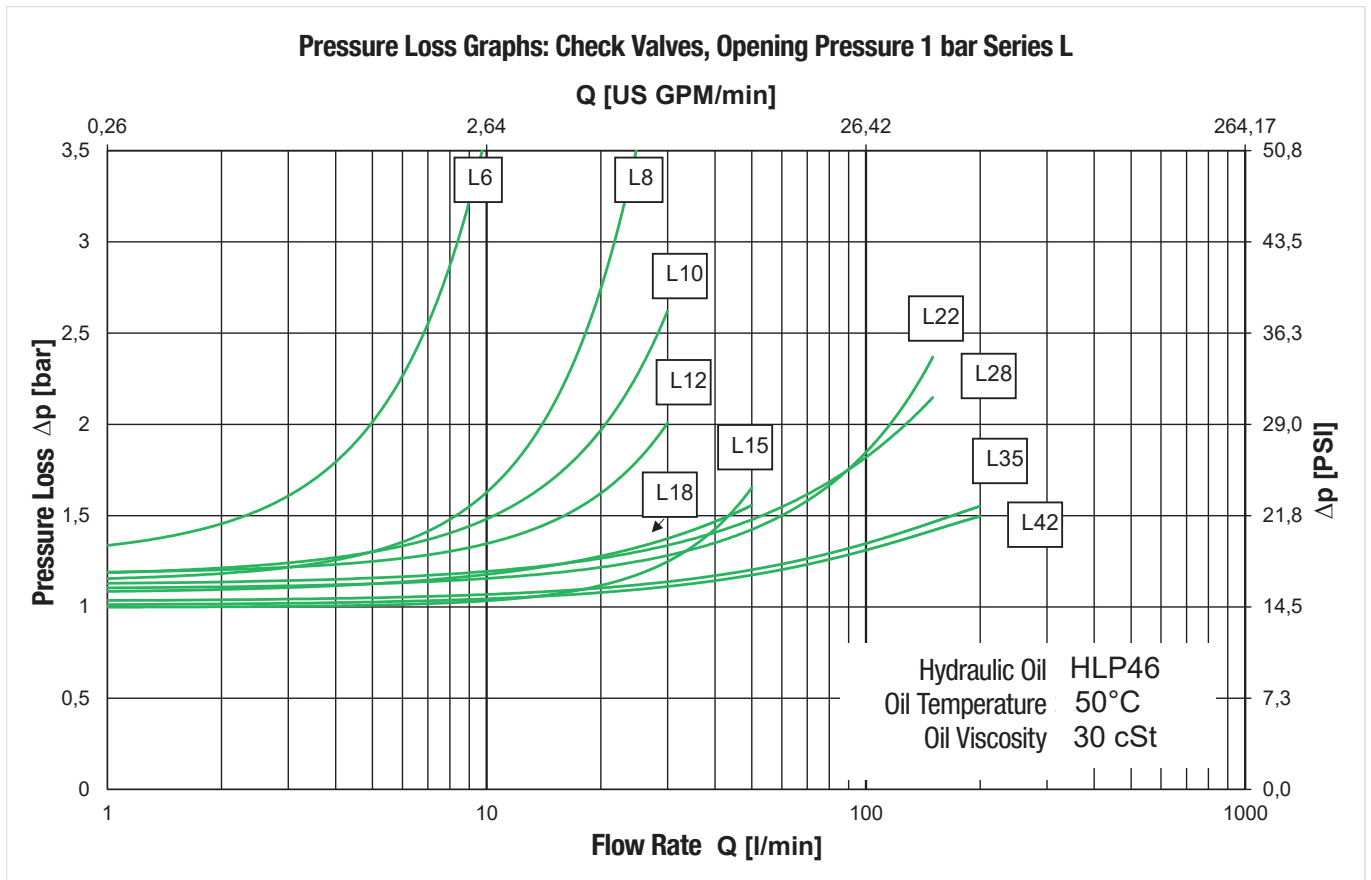
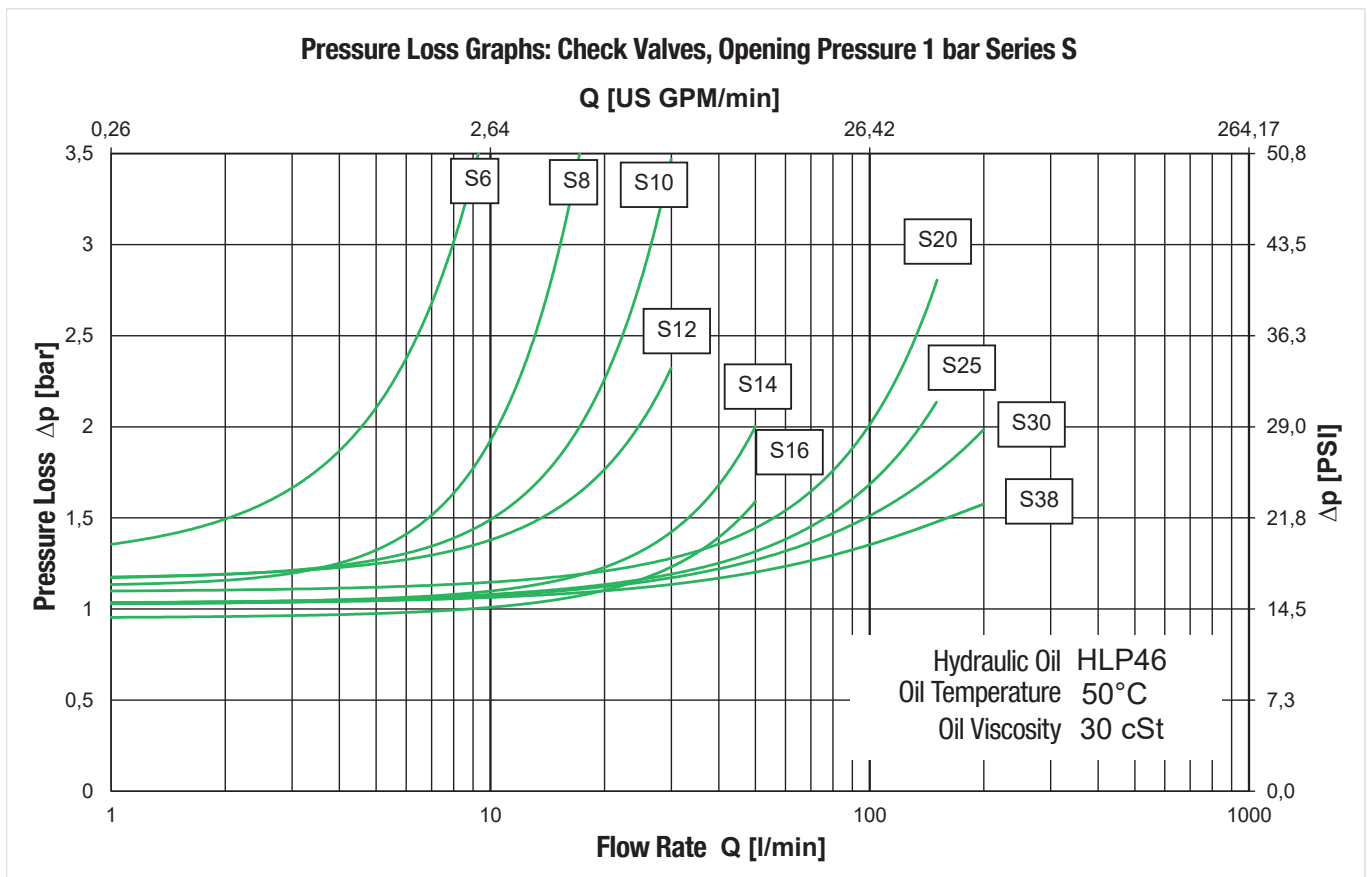
Connecting Parts

	Cutting Ring Type FI-DS	Page 28
	Soft-Sealing Cutting Ring Type FI-WDDS	Page 29
	Support Sleeve Type FI-VH	Page 31
	STAUFF Form EVO Sealing Ring Type FI-FD	Page 32
	Union Nut Type FI-M	Page 33
	37° Flared Tube Fitting Set Type FI-AB	Page 37

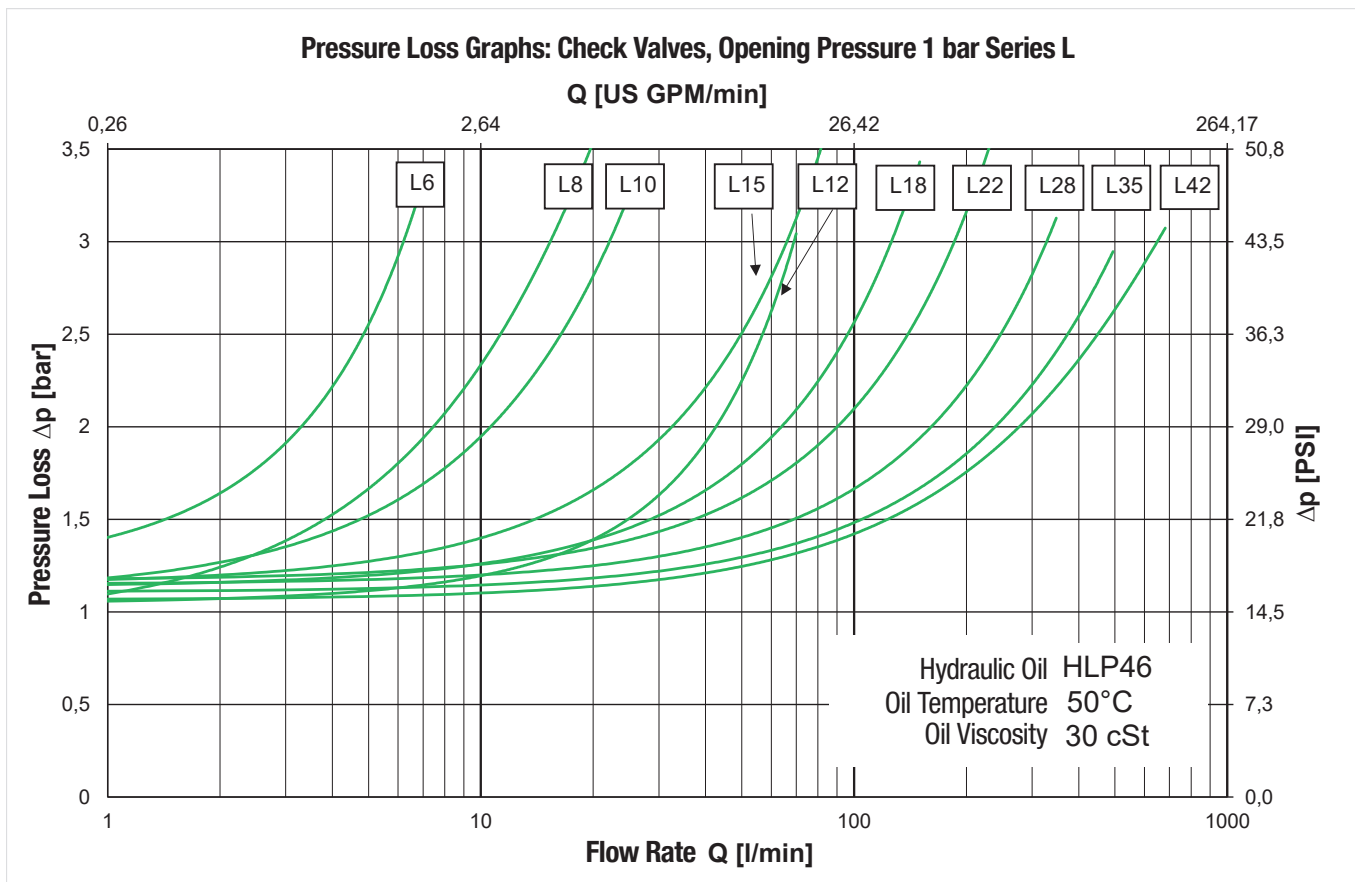
Maximum opening pressure for Hydraulic Valves

Series	Tube OD	max. opening pressure (FI-RVA,FI-RVVA, FI-RVZA, FI-RVIA)	max. opening pressure (FI-RV,FI-RVV, FI-RVZ, FI-RVI)
	mm	Standard Version bar	High-Pressure Version bar
L	6	6	3
	8	6	3
	10	6	3
	12	6	3
	15	6	3
	18	6	3
	22	6	3
	28	6	3
	35	5	3
	42	2	3
	S	6	6
8		6	3
10		6	3
12		6	3
14		6	3
16		6	3
20		6	3
25		6	3
30		6	3
38		5	3

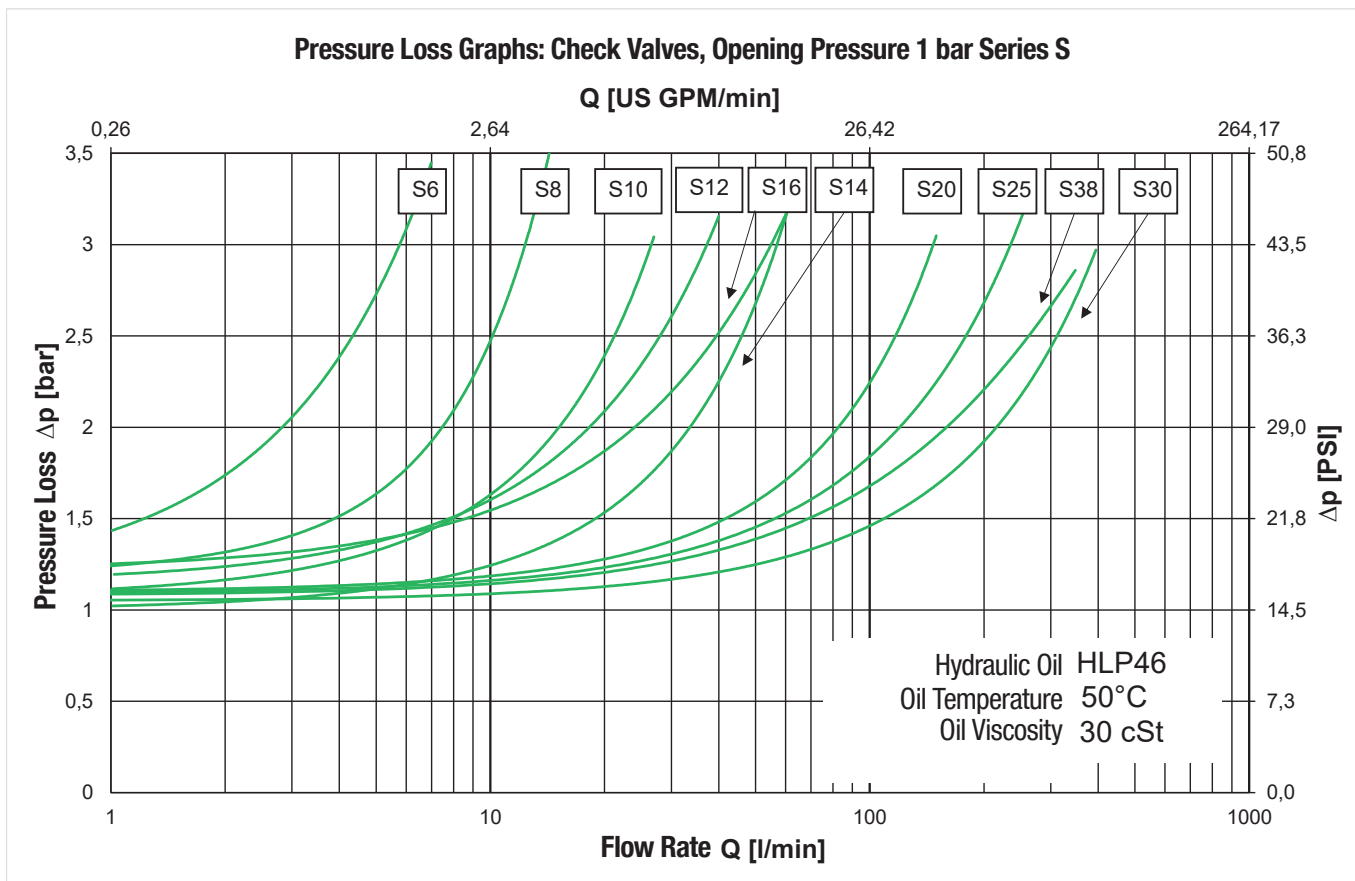
Pressure Loss Graphs for Check Valves
 High-Pressure Version
 Type FI-RV • Series L / S

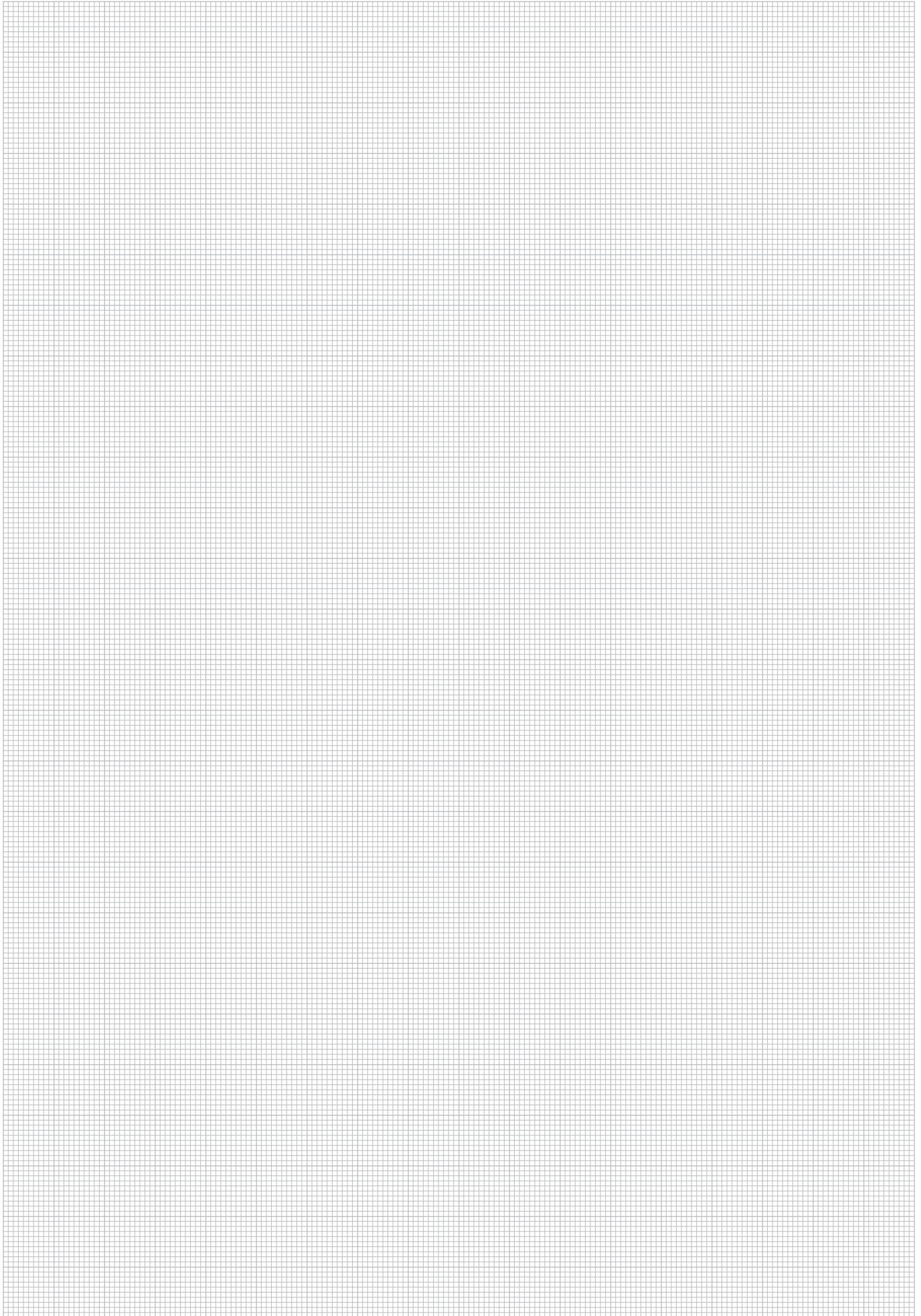

M


Pressure Loss Graphs for Check Valves
Standard Version
Type FI-RVA • Series L / S



M





M