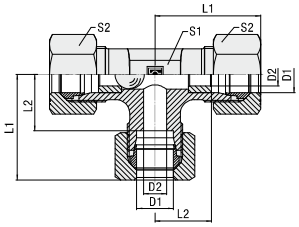
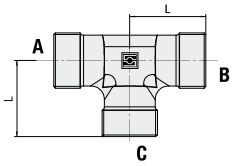
Alternating Valve
Type FI-WV ▪ Series L / S



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



Recommended Installation Position

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 26

Soft-Sealing Cutting Ring
Type **FI-WDDS** Page 27

Support Sleeve
Type **FI-VH** Page 28

STAUFF Form Ring
Type **FI-AR** Page 30

Union Nut
Type **FI-M** Page 31

37° Flared Tube Fitting Set
Type **FI-AB** Page 35

Series	Tube OD (mm/in) D1	PN (bar/psi)	Dimensions (mm/in) D2	L	L1[1]	L2	S1	S2	Weight (kg/lbs) ca. per 100[2]	Ordering Codes[3]
L	8	160	4	21	29	14	14	17	5,50	FI-WV-08L-W3
	.31	2320	.16	.83	1.14	.55	.55	.67	12,09	
	10	160	6	22	30	15	17	19	7,30	FI-WV-10L-W3
	.39	2320	.24	.87	1.18	.59	.67	.75	16,07	
	12	160	8	24	32	17	19	22	10,27	FI-WV-12L-W3
	.47	2320	.31	.94	1.26	.67	.75	.87	22,59	
	15	160	9	28	36	21	19	27	10,95	FI-WV-15L-W3
	.59	2320	.35	1.10	1.42	.83	.75	1.06	24,09	
S	6	160	4	23	31	16	14	17	7,04	FI-WV-06S-W3
	.24	2320	.16	.91	1.22	.63	.55	.67	15.49	
	8	160	4	24	32	17	17	19	9,49	FI-WV-08S-W3
	.31	2320	.16	.94	1.26	.67	.67	.75	20.87	
	10	160	6	25	34	17,5	19	22	12,41	FI-WV-10S-W3
	.39	2320	.24	.98	1.34	.69	.75	.87	27.31	
	12	160	8	29	38	21,5	22	24	17,10	FI-WV-12S-W3
	.47	2320	.31	1.14	1.50	.85	.87	.94	37.62	
	16	160	10	33	43	24,5	24	30	19,60	FI-WV-16S-W3
	.63	2320	.39	1.30	1.69	.96	.94	1.18	43.13	

[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!

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.

M