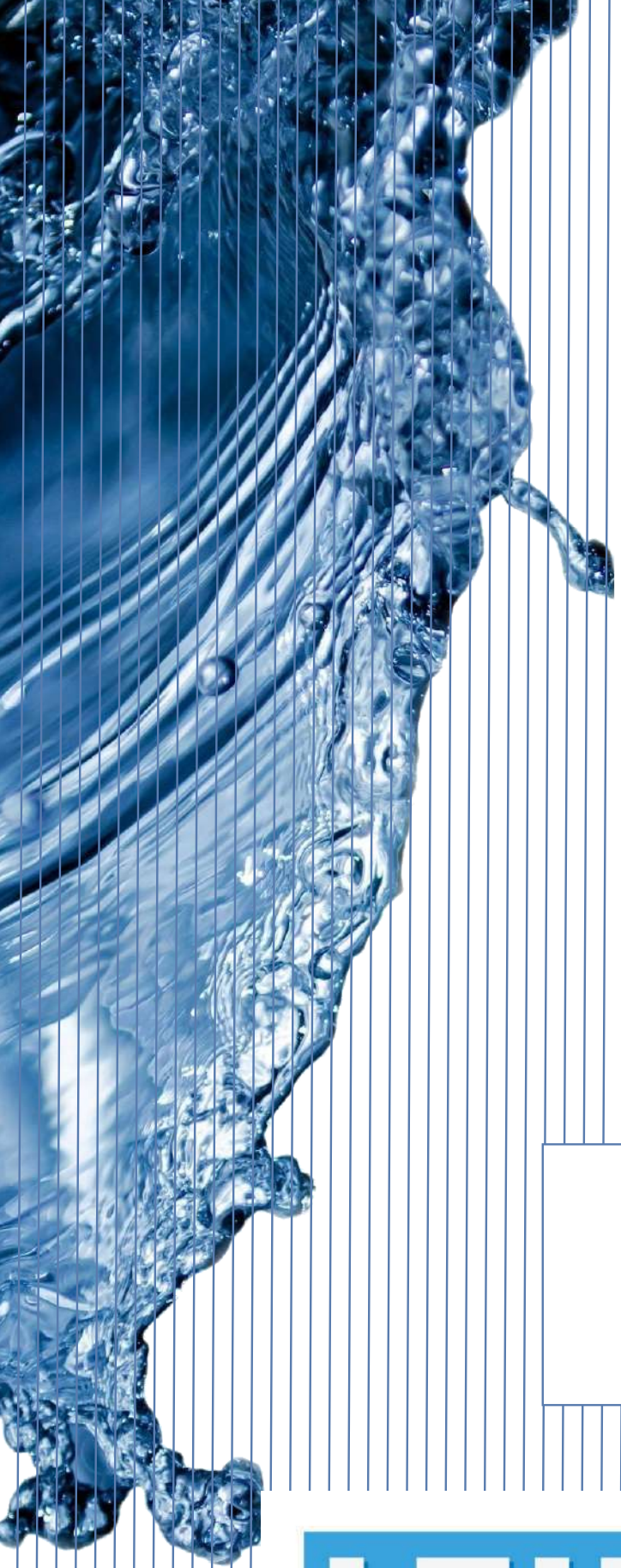


WTR series unidirectional banjo male elbow flow regulator with handle regulation

WTRFR - Tierre

LTH

HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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-20°C ÷ 80°C

Working pressure:
10 Bar

Compressed air

- Taper gas BSPT ISO 7 from R1/8" to R1/2" with teflon
- Parallel gas BSPP ISO 228 from G1/8" to G1/2"
- Metric ISO 262 M5
- NPT from N1/8" to N1/2"
- UNF 10-32

Polyamide PA,
Polyurethane PU,
Polyethylene PE

Body: Nickel plated brass and high performance PBT
Collar: zinc
Sleeve: acetal resin POM
Seal: NBR sans silicone
Lock claw: stainless steel AISI 301
Handle: brass
O-ring: NBR silicon free
Lock nut: nickel plated brass
Back ring: POM

REACH Products in compliance with the directive 1907/2006

RoHS2 Products in compliance with the directive 2011/65/UE

INSERTION OF THE TUBE INTO THE FITTING

- Make sure the tube is fully inserted into the fitting.
- To insert the tube into the fitting cut the tube off square (90°), insert tube up to the fitting end stop, and pull back gently to make sure it is correctly connected.
- If there is any damage or scratches on the tube surface the tube is an oval shape, air leakage and tube release may occur. Check the tube condition carefully.
- The OD of polyurethane tube expands when pressure is applied. Reinsertion into the fitting may not always be possible. Check the OD of the tube and renew it the expansion is out of tolerance.

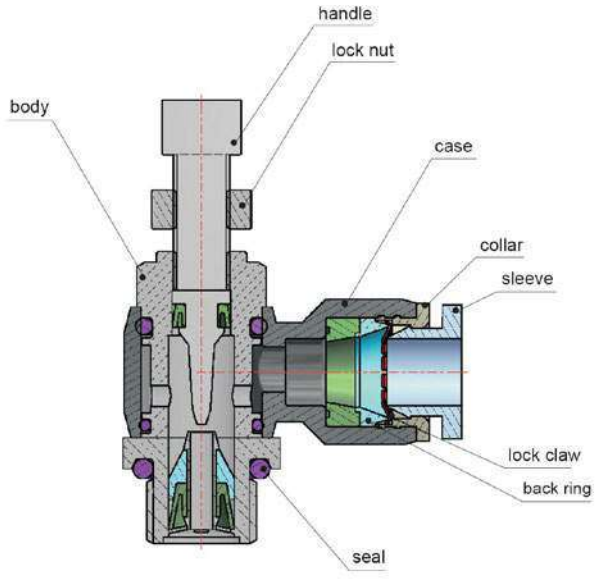
DISCONNECTION OF THE TUBE FROM THE FITTING

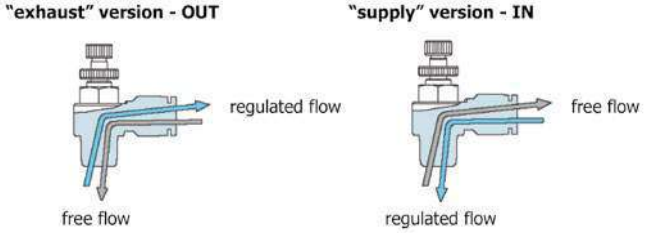
- Make sure the pressure in the system is zero before releasing the tube from the fitting.
- To release the tube, press the release sleeve towards the fitting with one hand and pull the tube away from the fitting with the other hand.
- Always remove the section of tube previously inserted into the fitting before reinserting the tube by cutting back the tube. Always use the correct tube cutter in order to cut the tube square and free of damage.

TOLERANCE - TUBE

Ø TUBE (mm)	4	6	8	10	12
TOLERANCE (mm)	± 0,1	± 0,1	± 0,1	± 0,15	± 0,15
Ø TUBE (inch)	5/32	1/4	5/16	3/8	1/2
TOLERANCE (inch)	± 0,003"	± 0,003"	± 0,003"	± 0,005"	± 0,005"

CONSTRUCTION DETAILS

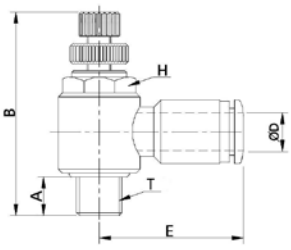


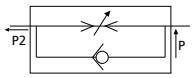


WTRFR-R

Banjo male elbow BSPT thread unidirectional nickel plated with handle regulation





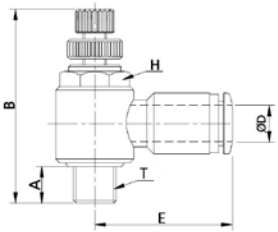


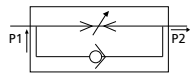
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WTRFR04R01	4	R 1/8"	7,0	39,7	22,3	10	18,0
WTRFR04R02		R 1/4"	9,5	46,4	24,1	14	35,9
WTRFR06R01	6	R 1/8"	7,0	39,7	23,1	10	18,5
WTRFR06R02		R 1/4"	9,5	46,4	25,1	14	36,5
WTRFR06R03		R 3/8"	10,5	53,4	26,8	19	60,5
WTRFR06R04		R 1/2"	13,5	57,9	29,8	24	92,7
WTRFR08R01	8	R 1/8"	7,0	39,7	25,6	10	19,3
WTRFR08R02		R 1/4"	9,5	46,4	28,6	14	37,3
WTRFR08R03		R 3/8"	10,5	53,4	29,6	19	61,1
WTRFR08R04		R 1/2"	13,5	57,9	32,6	24	93,4
WTRFR10R01	10	R 1/8"	7,0	39,7	28,8	10	22,7
WTRFR10R02		R 1/4"	9,5	46,4	31,0	14	40,7
WTRFR10R03		R 3/8"	10,5	53,4	31,6	19	64,5
WTRFR10R04		R 1/2"	13,5	57,9	34,6	24	96,8
WTRFR12R02	12	R 1/4"	9,5	46,4	33,5	14	42,2
WTRFR12R03		R 3/8"	10,5	53,4	35,6	19	66,1
WTRFR12R04		R 1/2"	13,5	57,9	36,6	24	98,3

WTRFR-R-IN

Banjo male elbow BSPT thread unidirectional nickel plated with handle regulation





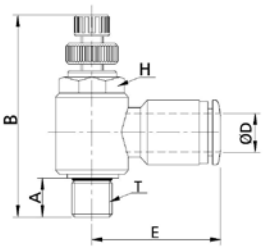


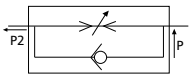
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WTRFR04R02-IN		R 1/4"	9,5	46,4	24,1	14	35,9
WTRFR06R01-IN	6	R 1/8"	7,0	39,7	23,1	10	18,5
WTRFR06R02-IN		R 1/4"	9,5	46,4	25,1	14	36,5
WTRFR06R03-IN		R 3/8"	10,5	53,4	26,8	19	60,5
WTRFR06R04-IN		R 1/2"	13,5	57,9	29,8	24	92,7
WTRFR08R01-IN	8	R 1/8"	7,0	39,7	25,6	10	19,3
WTRFR08R02-IN		R 1/4"	9,5	46,4	28,6	14	37,3
WTRFR08R03-IN		R 3/8"	10,5	53,4	29,6	19	61,1
WTRFR08R04-IN		R 1/2"	13,5	57,9	32,6	24	93,4
WTRFR10R01-IN	10	R 1/8"	7,0	39,7	28,8	10	22,7
WTRFR10R02-IN		R 1/4"	9,5	46,4	31,0	14	40,7
WTRFR10R03-IN		R 3/8"	10,5	53,4	31,6	19	64,5
WTRFR10R04-IN		R 1/2"	13,5	57,9	34,6	24	96,8
WTRFR12R02-IN	12	R 1/4"	9,5	46,4	33,5	14	42,2
WTRFR12R03-IN		R 3/8"	10,5	53,4	35,6	19	66,1
WTRFR12R04-IN		R 1/2"	13,5	57,9	36,6	24	98,3

WTRFR-G

Banjo male elbow BSPP & metric thread unidirectional nickel plated with handle regulation





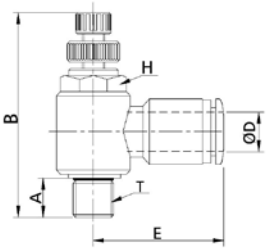


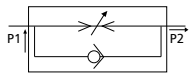
CODE	ØD	T	A	B	E	H	GR.
WTRFR04M5	4	M5x0,8	4,0	29,3	20,0	8	-
WTRFR04G01		G 1/8"	5,8	39,7	22,3	10	18,0
WTRFR04G02		G 1/4"	7,3	46,4	24,1	14	35,9
WTRFR06M5	6	M5x0,8	4,0	29,3	21,9	8	-
WTRFR06G01		G 1/8"	5,8	39,7	23,1	10	18,5
WTRFR06G02		G 1/4"	7,3	46,4	25,1	14	36,5
WTRFR06G03		G 3/8"	8,5	53,4	26,8	19	60,5
WTRFR06G04		G 1/2"	10,0	57,9	29,8	24	92,7
WTRFR08G01	8	G 1/8"	5,8	39,7	25,6	10	19,3
WTRFR08G02		G 1/4"	7,3	46,4	28,6	14	37,3
WTRFR08G03		G 3/8"	8,5	53,4	29,6	19	61,1
WTRFR08G04		G 1/2"	10,0	57,9	32,6	24	93,4
WTRFR10G01	10	G 1/8"	5,8	39,7	28,8	10	22,7
WTRFR10G02		G 1/4"	7,3	46,4	31,1	14	40,7
WTRFR10G03		G 3/8"	8,5	53,4	31,6	19	64,5
WTRFR10G04		G 1/2"	10,0	57,9	34,6	24	96,8
WTRFR12G02	12	G 1/4"	7,3	46,4	33,5	14	42,2
WTRFR12G03		G 3/8"	8,5	53,4	35,6	19	66,1
WTRFR12G04		G 1/2"	10,0	57,9	36,6	24	98,3

WTRFR-G-IN

Banjo male elbow BSPP & metric thread unidirectional nickel plated with handle regulation





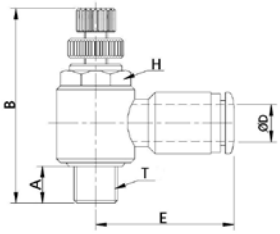


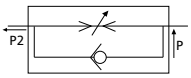
CODE	ØD	T	A	B	E	H	GR.
WTRFR04M5-IN	4	M5x0,8	4,0	29,3	20,0	8	-
WTRFR04G01-IN		G 1/8"	5,8	39,7	22,3	10	18,0
WTRFR04G02-IN		G 1/4"	7,3	46,4	24,1	14	35,9
WTRFR06M5-IN	6	M5x0,8	4,0	29,3	21,9	8	-
WTRFR06G01-IN		G 1/8"	5,8	39,7	23,1	10	18,5
WTRFR06G02-IN		G 1/4"	7,3	46,4	25,1	14	36,5
WTRFR06G03-IN		G 3/8"	8,5	53,4	26,8	19	60,5
WTRFR06G04-IN		G 1/2"	10,0	57,9	29,8	24	92,7
WTRFR08G01-IN	8	G 1/8"	5,8	39,7	25,6	10	19,3
WTRFR08G02-IN		G 1/4"	7,3	46,4	28,6	14	37,3
WTRFR08G03-IN		G 3/8"	8,5	53,4	29,6	19	61,1
WTRFR08G04-IN		G 1/2"	10,0	57,9	32,6	24	93,4
WTRFR10G01-IN	10	G 1/8"	5,8	39,7	28,8	10	22,7
WTRFR10G02-IN		G 1/4"	7,3	46,4	31,1	14	40,7
WTRFR10G03-IN		G 3/8"	8,5	53,4	31,6	19	64,5
WTRFR10G04-IN		G 1/2"	10,0	57,9	34,6	24	96,8
WTRFR12G02-IN	12	G 1/4"	7,3	46,4	33,5	14	42,2
WTRFR12G03-IN		G 3/8"	8,5	53,4	35,6	19	66,1
WTRFR12G04-IN		G 1/2"	10,0	57,9	36,6	24	98,3

WTRFR-N

Banjo male elbow NPT & UNF thread unidirectional nickel plated with handle regulation





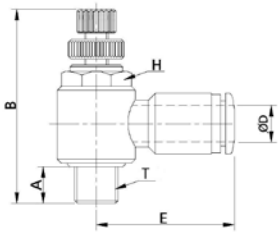


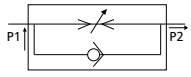
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WTRFR532UF1032	5/32	UNF 10-32	0,149	1,153	0,787	0,314	0,037
WTRFR532N01	5/32	N 1/8"	0,295	1,578	0,889	0,437	0,039
WTRFR1-4UF1032	1/4	UNF 10-32	0,149	1,153	0,866	0,314	0,038
WTRFR1-4N01	1/4	N 1/8"	0,295	1,578	0,909	0,437	0,040
WTRFR1-4N02	1/4	N 1/4"	0,413	1,858	0,988	0,562	0,080
WTRFR1-4N03	1/4	N 3/8"	0,433	2,122	1,055	0,748	0,133
WTRFR516N01	5/16	N 1/8"	0,295	1,578	1,007	0,437	0,042
WTRFR516N02	5/16	N 1/4"	0,413	1,858	1,125	0,562	0,082
WTRFR516N03	5/16	N 3/8"	0,433	2,122	1,165	0,748	0,134
WTRFR38N02	3/8	N 1/4"	0,413	1,858	1,220	0,562	0,089
WTRFR38N03	3/8	N 3/8"	0,433	2,122	1,244	0,748	0,142
WTRFR38N04	3/8	N 1/2"	0,551	2,299	1,362	1	0,213
WTRFR1-2N02	1/2	N 3/8"	0,433	2,122	1,401	0,748	0,093
WTRFR1-2N03	1/2	N 1/2"	0,551	2,299	1,440	1	0,145

WTRFR-N-IN

Banjo male elbow NPT & UNF thread unidirectional nickel plated with handle regulation







CODE	ØD	T	A	B	E	H	GR.
WTRFR532UF1032-IN	5/32	UNF 10-32	0,149	1,153	0,787	0,314	0,037
WTRFR532N01-IN		N 1/8"	0,295	1,578	0,889	0,437	0,039
WTRFR1-4UF1032-IN	1/4	UNF 10-32	0,149	1,153	0,866	0,314	0,038
WTRFR1-4N01-IN		N 1/8"	0,295	1,578	0,909	0,437	0,040
WTRFR1-4N02-IN		N 1/4"	0,413	1,858	0,988	0,562	0,080
WTRFR1-4N03-IN		N 3/8"	0,433	2,122	1,055	0,748	0,133
WTRFR516N01-IN	5/16	N 1/8"	0,295	1,578	1,007	0,437	0,042
WTRFR516N02-IN		N 1/4"	0,413	1,858	1,125	0,562	0,082
WTRFR516N03-IN		N 3/8"	0,433	2,122	1,165	0,748	0,134
WTRFR38N02-IN	3/8	N 1/4"	0,413	1,858	1,220	0,562	0,089
WTRFR38N03-IN		N 3/8"	0,433	2,122	1,244	0,748	0,142
WTRFR38N04-IN		N 1/2"	0,551	2,299	1,362	1	0,213
WTRFR1-2N02-IN	1/2	N 3/8"	0,433	2,122	1,401	0,748	0,093
WTRFR1-2N03-IN		N 1/2"	0,551	2,299	1,440	1	0,145

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