SERIES F
PUSH-IN FITTINGS FOR USE IN THE FOOD INDUSTRY

These fittings are made of materials suitable for use in the food industry.
They can also be used with hot and cold tap water.
The brass parts undergo two successive treatments, unleading, to remove the lead from the surface layer, followed by electrolysis, in which an intermetallic alloy is applied to increase wear and corrosion resistance. Both treatments are patented.
The gaskets are made of special FDA-approved Viton®. These fittings do not contain technopolymers, thereby avoiding problems of compatibility with detergents and other chemical agents. This choice of materials allows the fittings to be used up to 150°C, which makes them suitable for other high-temperature applications, in addition to the food industry.
The threads are cylindrical and under-head O-rings provide a pneumatic seal. This avoids the need for sealants (e.g. Teflon®), which could release solid fragments during screwing and unscrewing that would contaminate the environment or the fluid. Our fittings can be screwed and unscrewed any number of times and still remain clean and pneumatically sealed. This choice of materials and treatments make these fittings suitable
for use in the chemical, pharmaceutical, medical and electronics industry.
A standard range of fittings is available, but other designs can be developed on specific request.

TECHNICAL FEATURES

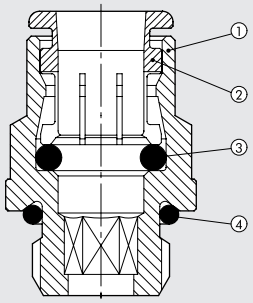
Threaded port		M5 - G1/8" - G1/4" - G3/8" - G1/2"
Pipe diameter	mm	Ø 4 - Ø 6 - Ø 8 - Ø 10
Temperature range	°C	– 20 to + 150
	°F	– 4 to 302
Pressure range		– 0.99 bar - 16 bar / – 0.099 MPa - 1.6 MPa
Recommended pipe		Rilsan PA 11 - Nylon 6 - Polyamide 12 - Polypropylene

CERTIFICATIONS

F series fittings are certified to the following standards:
- NSF/ANSI 51: products in contact with food.
- NSF/ANSI 61: products in contact with drinking water.

More specifically, they are certified according to section 4 in the "commercial hot 82C" category, which is the most restrictive and includes the following subcategories:
- Domestic cold temperature
- Domestic hot temperature
- Commercial hot temperature
- Environment pH5

COMPONENTS



① Body: unleaded brass treated with environmentally-friendly intermetallic alloy
② Gripper: unleaded brass treated with environmentally-friendly intermetallic alloy
③ Seal: FDA-approved Viton®
④ Port seal: FDA-approved Viton®

ADVANTAGES

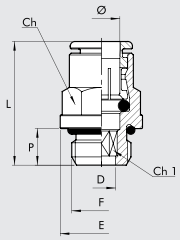
Under-head O-ring
Can be screwed and unscrewed any number of times; no fragments of Teflon® or sealant will contaminate the fluid.

Corrosion resistance
The intermetallic alloy deposited on the surface and Viton® are compatible with numerous substances.

No plastic parts
No risk of incompatibility.

NSF/ANSI 51
NSF/ANSI 61

STRAIGHT, CYLINDRICAL, MALE R1 NSF



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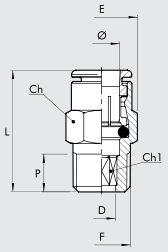
2F01003	R1 NSF	4	1/4	12	3	8	22.5	3.1	18
2F01000	R1 NSF	6	M5	Ø 12.9	2.5	4	25	2.6	12.9
2F01007	R1 NSF	6	1/8	13	4	6	27.5	4.2	15
2F01008	R1 NSF	6	1/4	13	4	8	26.5	4.2	18
2F01009	R1 NSF	8	1/8	14	5	6	28.5	5.2	15.6
2F01010	R1 NSF	8	1/4	15	6	8	27	6.2	18
2F01011	R1 NSF	8	3/8	15	6	9	28	6.2	21
2F01012	R1 NSF	10	1/4	17	7	8	33.5	7.2	20
2F01013	R1 NSF	10	3/8	17	8	9	30.5	8.2	21
2F01022	R1 NSF	10	1/2	17	10	11	31.5	10.2	26

STRAIGHT, CONICAL, MALE RL1C NSF



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2F01C08	R1C NSF	6	1/4	14	4	8.5	25.5	4.2	16
2F01C09	R1C NSF	8	1/8	14	5	6.2	27.5	5.2	16
2F01C10	R1C NSF	8	1/4	14	6	8.5	27.5	6.2	16
2F01C11	R1C NSF	8	3/8	17	6	9	27	6.2	19.6
2F01C13	R1C NSF	10	1/4	17	7	8.5	34.5	7.2	19.6
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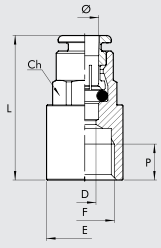
STRAIGHT, FEMALE R2 NSF



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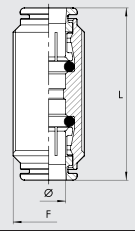
2F02006	R2 NSF	6	1/4	13	8	32	5	17
2F02007	R2 NSF	8	1/8	14	7	30	7	17
2F02008	R2 NSF	8	1/4	14	8	32	7	17
2F02011	R2 NSF	10	1/4	17	8	35	9	20

STRAIGHT, INTERMEDIATE R3 NSF



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2F03003	R3 NSF	6	M15X1	40
2F03004	R3 NSF	8	M17X1	41
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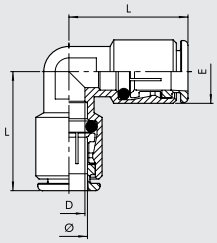
ELBOW, INTERMEDIATE R4 NSF



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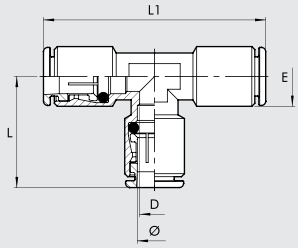
2F04004	R4 NSF	8	7	14	26
2F04005	R4 NSF	10	9	17	30

TEE, INTERMEDIATE R5 NSF



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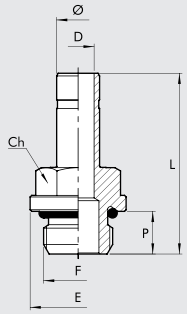
2F05005	R5 NSF	10	30	60	9	17

THREADED ADAPTER R6 NSF



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2F06003	R6 NSF	4	1/4	14	8	32.4	2.2	18
2F06000	R6 NSF	6	M5	9	4	25.7	2.7	10
2F06007	R6 NSF	6	1/8	13	6	29.4	4	15
2F06008	R6 NSF	6	1/4	14	8	32.9	4	18
2F06009	R6 NSF	8	1/8	13	6	30.6	5.5	15
2F06010	R6 NSF	8	1/4	14	8	34	6	18
2F06011	R6 NSF	8	3/8	17	9	35.4	6	22
2F06012	R6 NSF	10	1/4	14	8	35.6	7.8	18
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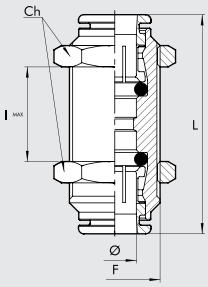
STRAIGHT, INTERMEDIATE, BULKHEAD UNIONS R10 NSF



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2F11001	R10 NSF	4	M13x1	16	33	11
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2F11004	R10 NSF	8	M17x1	20	41	19
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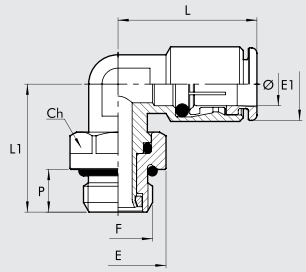
ROTARY ELBOW, MALE, CYLINDRICAL R31 NSF



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2F31001	R31 NSF	4	M5	9	9	10	21	19	4
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2F31007	R31 NSF	6	M5	9	8	11.8	24	17.5	4
2F31008	R31 NSF	6	1/8	13	15	12.5	24	21	6
2F31009	R31 NSF	6	1/4	16	18	12.5	25.5	25	8
2F31010	R31 NSF	8	1/8	13	15	14	26	22.5	6
2F31011	R31 NSF	8	1/4	16	18	14	26	25	8
2F31012	R31 NSF	8	3/8	19	22	14	27.5	30.5	9
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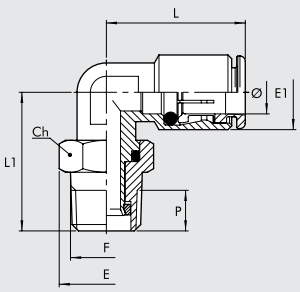
ROTARY ELBOW, MALE, CONICAL R31C NSF



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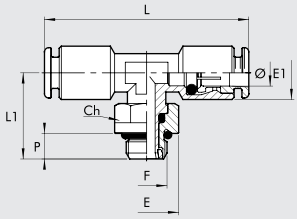
2F31C09	R31C NSF	6	1/4	16	17.7	12.5	25.5	27	8.5
2F31C10	R31C NSF	8	1/8	12	13.3	14	26	23.5	6.2
2F31C11	R31C NSF	8	1/4	16	17.7	14	26	27	8.5
2F31C12	R31C NSF	8	3/8	19	22	14	27.5	31	9
2F31C13	R31C NSF	10	1/4	16	17.7	16.5	30	29	8.5
2F31C14	R31C NSF	10	3/8	19	22	16.5	30	31	9

CENTRAL TEE, MALE, CYLINDRICAL, ROTARY R32 NSF



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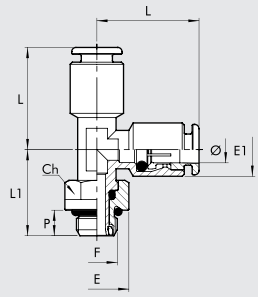
2F32008	R32 NSF	6	1/8	13	15	12.5	47.5	21	6
2F32009	R32 NSF	6	1/4	16	18	12.5	50.5	25	8
2F32010	R32 NSF	8	1/8	13	15	14	52	22.5	6
2F32011	R32 NSF	8	1/4	16	18	14	52	25	8
2F32012	R32 NSF	8	3/8	19	22	14	56	30.5	9
2F32013	R32 NSF	10	1/4	16	18	16.5	60.5	27	8
2F32014	R32 NSF	10	3/8	19	22	16.5	60.5	30.5	9

LATERAL TEE, MALE, CYLINDRICAL, ROTARY R38 NSF



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2F38010	R38 NSF	8	1/8	13	15	14.5	27.5	22.5	6
2F38011	R38 NSF	8	1/4	16	18	14.5	27.5	25	8
2F38013	R38 NSF	10	1/4	16	18	17	31.5	27	8
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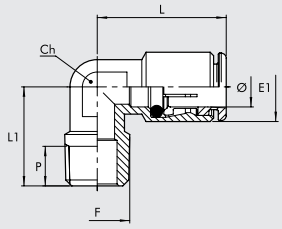
ELBOW, MALE, CONICAL R39 NSF



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2F39C09	R39 NSF	6	1/4	10	11.8	24	18.5	8.5
2F39C10	R39 NSF	8	1/8	12	14	26	17	6.2
2F39C11	R39 NSF	8	1/4	12	14	26	20	8.5
2F39C12	R39 NSF	8	3/8	14	14	27.5	22.5	9
2F39C13	R39 NSF	10	1/4	14	17	30.5	22	8.5