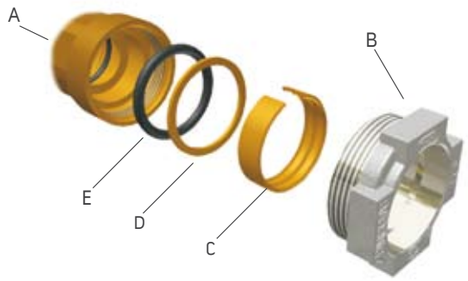
0900.1

IRECO® FITTINGS IN BRASS - 900 SERIES BSR - FOR IRON PIPES
FOR IRON PIPES FROM DIAMETER 21 (1/2") TO DIAMETER 60 (2")

GENERAL FEATURES

The Ireco® 900 series BSR compression fittings for iron pipes with EPDM elastomer ring washer have been conceived, designed and manufactured for metal piping used for transporting fluids under pressure. These fittings are in fact compatible with steel piping as defined in EN 10255 (Ex DIN 2440/2441), DIN 2442 e DIN 2448/DIN 2458 Series 1, ISO 65.
These fittings are used in conduits under pressure (distribution mains, irrigation and thermo-hydraulic plants, also combined types, cold and hot water, compressed air plants) as well as for draining conduits (sewage and drain systems inside and outside buildings). The nickel-plated locking nut makes it easy to identify them.
The connection of the fitting is guaranteed by the compression of a cut ring against the external wall of the pipe, and does not require any prior preparation of the extremities of the tube, besides having a squared-off cut with sharp and de-burred edges. The whole range (except for the repair coupling) has an internal seat for the pipe, in order to limit the length of the coupling and to hold the internal support, if used. The locking nuts and straight connecting bodies have ideal surfaces to transmit the twisting moments while tightening. This product adheres to the standards set forth by the European health authorities for the transport of alimentary fluids and potable water. Besides that these fittings can also be used for the distribution of non-combustible and combustible gas, if they are installed above ground or in inspection posts.
These fittings can perfectly be used in non-combustible gas systems and in combustible gas system if installed above ground or in inspection posts.

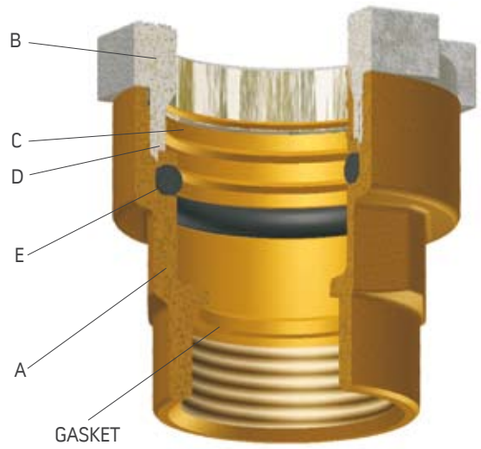
DESIGN



A - Brass Body EN 12165 - CW617N
B - Brass locking nut EN 12165 - CW617N
C - Brass compression ring EN 12164 - CW614N
D - Sealing Ring dimensions DN20-DN32 in brass EN 12164 -CW614N
Sealing Ring dimensions DN40-DN63 STAINLESS STEEL EN 10088-1.4301 (AISI 304)
E - O-ring washer in EPDM elastomer

OFFICINE RIGAMONTI S.p.A.
via Circonvallazione, 9
13018 Valduggia (VC), ITALY
TEL. +39 0163.48165
FAX +39 0163.47254
www.officinerigamonti.it
export@officinerigamonti.it

The Ireco® 900 series BSR brass fittings for iron pipes are designed in such a way that once the locking nut (B), is tightened, it is automatically screwed against the body of the fitting (A), which ensures the correct closure of the compression ring (C) on the tube and the squashing of the sealing o-ring (E).
The Ireco® 900 series BSR brass fittings for iron pipes with female-threaded offtakes have a plane seat where a gasket can be put in order to guarantee the seal after connecting it to the piping.



TECHNICAL FEATURES

Pressures and Temperatures:
If used with:
Pipelines for water distribution:
- Maximum working pressure 16 bar at 70°C
Pipelines for non-combustible gas distribution:
- Maximum working pressure 10 bar at 20°C
Pipelines for combustible gas distribution:
- Maximum working pressure 1 bar at 23°C

Alignment:	+/- 1°
Torsion angle (ß):	these fittings have not been designed specifically to bear torsion angles.

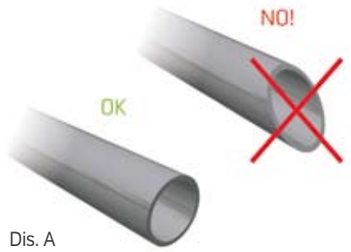
Axial mobility: up to 1 bar there is no axial mobility. For pressures superior to 1 bar the steel pipe might undergo an axial deformation (up to 3 mm) due to the normal bond of the seal and stopping elements.
Threading and terminal connections (according to the model):

Pipe connection	Threads according to ISO 228/1
Compression fittings for IRON pipes	Conforming with DIN 3387-1
Requirements and tests as per:	tests are effectuated according to the German norms DIN 3387-1

IRECO® FITTINGS IN BRASS - 900 SERIES BSR - FOR IRON PIPES
FOR IRON PIPES FROM DIAMETER 21 (1/2") TO DIAMETER 60 (2")

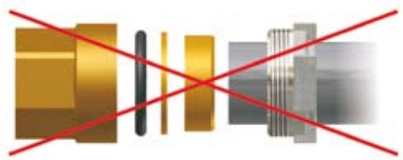
INSTALLATION INSTRUCTIONS

After cutting the tubes (see drawing A) and eliminating the burrs, clean the external and internal extremities which have to be united, ensuring that they are free of grains, sand, grease, dirt, etc.

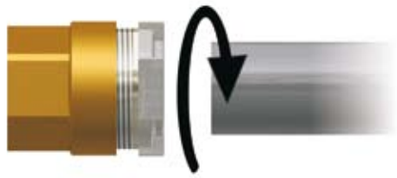


Dis. A

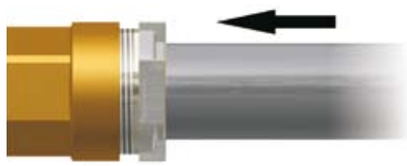
PLEASE NOTE: Do not dismantle the fitting.



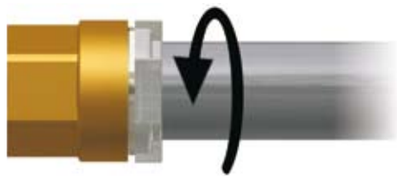
1 Unscrew the locking nut without removing it from the fitting.



2 Insert the tube against the body of the fitting.

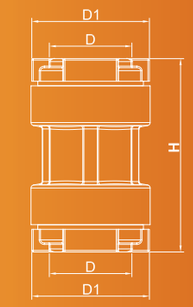


3 Tighten the locking nut.



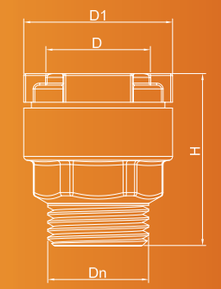
0900.1 SLEEVE

Code	Dimensions		
	D	D1	H
0900.120	Ø21	Ø33	57
0900.125	Ø27	Ø39	67
0900.132	Ø34	Ø46	79
0900.140	Ø42	Ø58	95
0900.150	Ø49	Ø70	105
0900.160	Ø60	Ø82	110



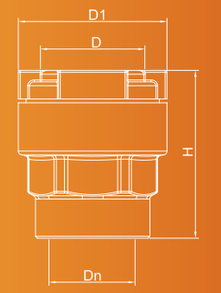
0910.1 MALE

Code	Dimensions			
	Dn	D	D1	H
0910.120	1/2"	Ø21	Ø33	41,5
0910.125	3/4"	Ø27	Ø39	44,5
0910.132	1"	Ø34	Ø46	51
0910.140	1"1/4	Ø42	Ø58	64
0910.150	1"1/2	Ø49	Ø70	66
0910.160	2"	Ø60	Ø82	73,5



0916.1 FEMALE

Code	Dimensions			
	Dn	D	D1	H
0916.120	1/2"	Ø21	Ø33	41
0916.125	3/4"	Ø27	Ø39	46
0916.132	1"	Ø34	Ø46	52
0916.140	1"1/4	Ø42	Ø58	64
0916.150	1"1/2	Ø49	Ø70	65
0916.160	2"	Ø60	Ø82	72



0925.1 TE TUBE-TUBE-TUBE

Code	Dimensions			
	D	D1	L	H
0925.120	Ø21	Ø33	76	40,5
0925.125	Ø27	Ø39	87	46,5
0925.132	Ø34	Ø46	102	55