



**IRECO® FITTINGS IN BRASS - 900.2 SERIES BSN - FOR PIPES IN POLYETHYLENE-32  
NORMAL GAUGE I.S. 134;1977 OR EQUIVALENT FOR COLD WATER (IRISH NATIONAL STANDARD)  
FOR BSN PIPES FROM DIAMETER 17 (1/2") TO DIAMETER 60 (2")**



#### DESCRIPTION

The **IRECO®** 900.2 series BSN brass compression fittings with EPDM elastomer ring washers have been conceived, designed and manufactured for the connection and various junctions that are with normal gauge polyethylene-32 tubes (according to Irish National Standard I.S. 134;1977 or equivalent) for cold water. These fittings are used in conduits under pressure (distribution mains, irrigation and pumping systems). 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.

#### POLYETHYLENE-32 TUBE DIMENSIONS - NORMAL GAUGE AS PER I.S. 134;1977 OR EQUIVALENT (Irish National Standard)

Nominal dimension	External diameter [mm]		Thickness [mm]	
	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
1/2"	16,95	17,30	2,30	2,60
3/4"	24,95	25,40	3,10	3,50
1"	31,25	31,75	3,10	3,50
1"1/4	37,50	38,10	3,10	3,50
1"1/2	43,80	44,45	3,50	3,90
2"	60,00	60,85	4,65	5,20



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#### TECHNICAL FEATURES

##### Pressures and temperatures:

maximum working pressure

16 bar at 20°C

fixed maximum working temperature

up to 60 °C at 2.5 bar

**PLEASE NOTE:** The maximum temperatures and pressures for installed fittings , depend on the characteristics of the material of which the plastic tube is made; the detailed particularities are specified in the corresponding norms regarding plastic pipeline systems.

##### Threading:

pipe connection

threads according to ISO 228/1

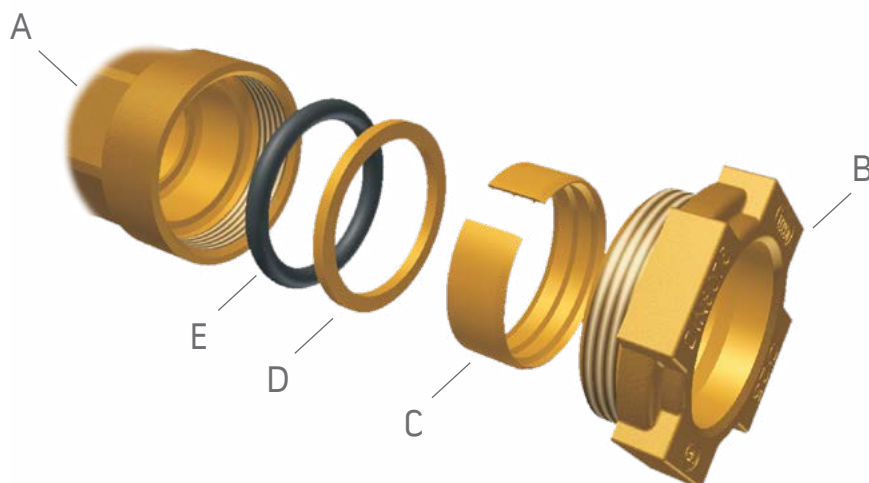
##### Requirements and tests as per:

type Tests are effectuated according to the working sheet VP 600 and the European Standard EN 1254-3.

##### Certifications:

ACS

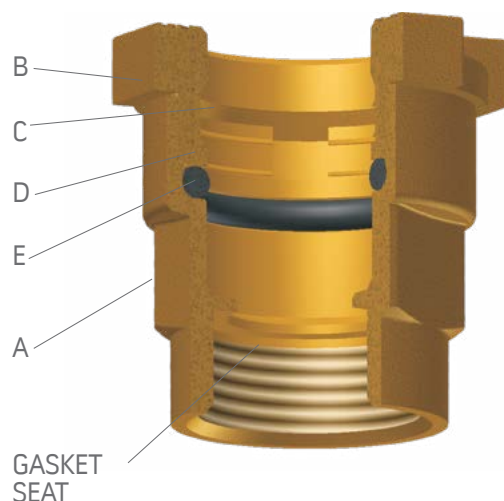
#### DESIGN



- A- Body
- B- Locking nut
- C- Compression ring
- D- Sealing Ring dimensions DN 17 - 31
- Sealing Ring dimensions DN 38 - 60
- E- O-ring washer

- brass
- brass
- brass
- brass
- stainless steel
- EPDM elastomer

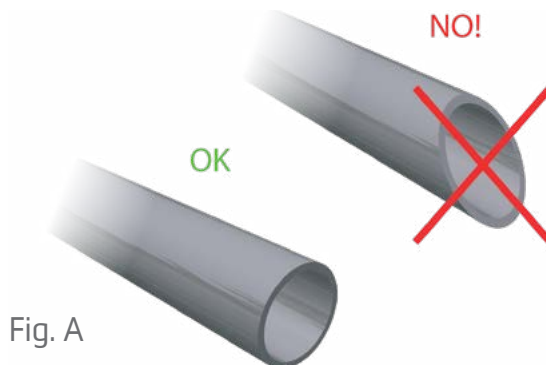
The **IRECO® 900.2 series BSN** brass fittings for pipes en polyethylene are designed in such a way that once the locking nut (B), is tightened, it is automatically screwed against the body of the fitting (A), which ensures the correct closure of the compression ring (C) on the tube wand the squashing of the sealing o-ring (E). The **IRECO® 900.2 series BSN** brass fittings for pipes en polyethylene 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.



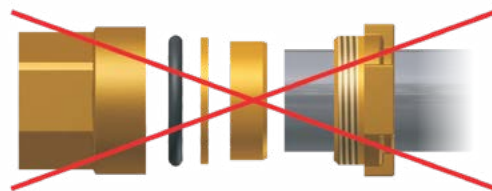
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#### INSTALLATION INSTRUCTIONS

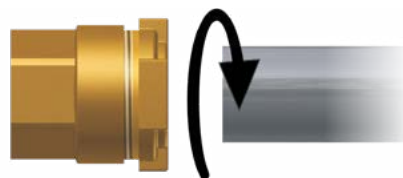
After cutting the tubes (see Fig.A) and eliminating the burrs, clean the external and internal extremities which have to be united, ensuring that they are free of grains, sand, grease, dirt, etc.



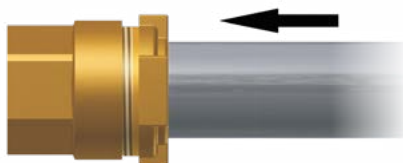
PLEASE NOTE: Do not dismantle the fitting.



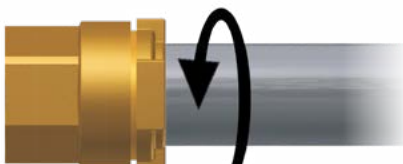
- 1 Unscrew the locking nut without removing it from the fitting.



- 2 Insert the tube against the body of the fitting.



- 3 Tighten the locking nut.

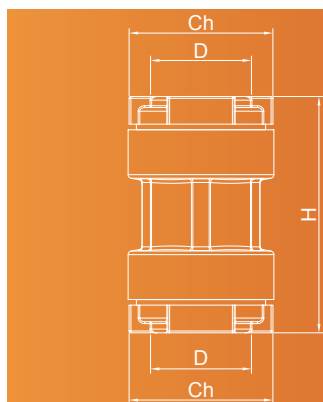


# 0900.2

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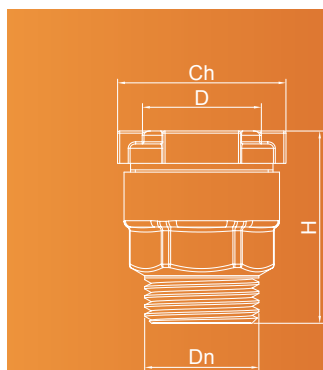
## 0900.2 SLEEVE

Code	D [mm]	H [mm]	Ch [mm]
0900.220	Ø18	63	33
0900.225	Ø26	63	39
0900.232	Ø32	73	46
0900.240	Ø39	94	58
0900.250	Ø46	101	70
0900.263	Ø61	111	82



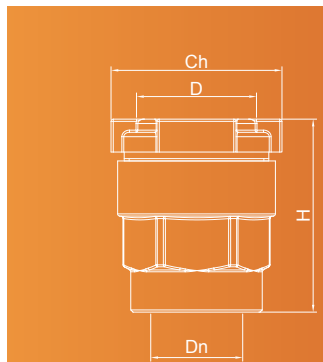
## 0910.2 MALE

Code	Dn	D [mm]	H [mm]	Ch [mm]
0910.220	1/2"	Ø18	43	33
0910.225	3/4"	Ø25	45	39
0910.232	1"	Ø32	51	46
0910.240	1"1/4	Ø39	64	58
0910.250	1"1/2	Ø46	65	70
0910.263	2"	Ø61	75	82



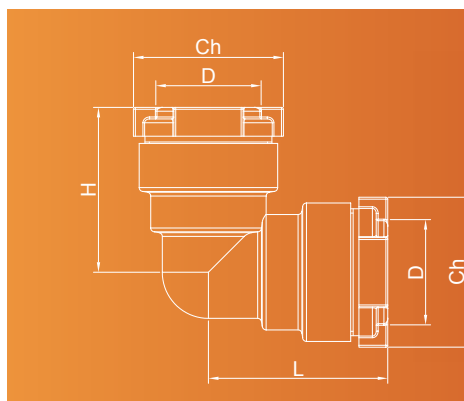
## 0916.2 FEMALE

Code	Dn	D [mm]	H [mm]	Ch [mm]
0916.220	1/2"	Ø18	42	33
0916.225	3/4"	Ø25	44	39
0916.232	1"	Ø32	50	46
0916.240	1"1/4	Ø39	63	58
0916.250	1"1/2	Ø46	66	70
0916.263	2"	Ø61	73	82



## 0920.2 ELBOW 90°

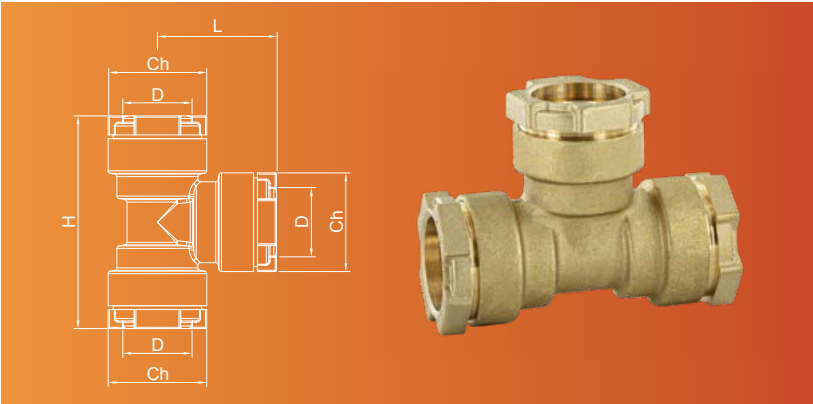
Code	D [mm]	L [mm]	H [mm]	Ch [mm]
0920.220	Ø18	43	40	33
0920.225	Ø25	47	43	39
0920.232	Ø32	54	50	46
0920.240	Ø39	70	65	58
0920.250	Ø46	76	71	70
0920.263	Ø61	90	82	82



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0925.2  
TEE

Code	D [mm]	L [mm]	H [mm]	Ch [mm]
0925.225	Ø25	46	85	39
0925.232	Ø32	55	101	46



0999.2  
REINFORCEMENT INSERT

Code	D [mm]	D1 [mm]	D2 [mm]	H [mm]
0999.232	Ø32	Ø38	Ø31	35
0999.237	Ø37	Ø42	Ø36	42
0999.250	Ø50	Ø60	Ø48	47

