

BRASS FITTINGS FOR PE PIPES POLYETHYLENE PIPING SYSTEM

Brass fittings for PE or steel pipes, polyethylene piping system for drinking water and water distribution.

NBR o-ring for a perfect tightness.

Installation on pipe without dismantling coupling.



Size : DN20 to DN90

Connection : Female, Male for PE pipes

Min Temperature : +4°C

Max Temperature : +40°C

Max Pressure : 16 Bars

Specifications : Brass fittings for PE pipes

NBR o-ring

Installation on pipe without dismantling coupling

Materials : Brass CW617N-4MS according to EN 12165

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SPECIFICATIONS :

- Brass coupling for external tightening
- Body and nut in brass CW617N-4MS
- NBR gasket
- Installation on pipe without dismantling the coupling
- Body marking : DN – Fabrication Date – DIN 8076
- Nut marking : DN – SF/H – DIN 8076 - ACS

USE :

- Water distribution
- Min and max Temperature Ts : + 4°C to + 40°C
- Max Pressure Ps : 16 bars

RANGE :

FOR PE PIPES :

- Female coupling **Ref.810** from DN 1/2"-D.20 to DN 3"-D.90
- Male coupling **Ref.811** from DN 1/2"-D.20 to DN 3"-D.90
- Double connection coupling **Ref.813** from DN 20 to DN 90
- T coupling **Ref.814** from DN 20 to DN 90
- T male/female coupling **Ref.815** DN 20-1/2"M to DN 90-3"M
- L double connection coupling **Ref.816** from DN 20 to DN 90
- L male coupling **Ref.817** from DN 1/2"-D.20 to DN 3"-D.90
- L female coupling **Ref.818** from DN 1/2"-D.20 to 2"-D.63
- L female brass coupling with wall fixation **Ref.819** from DN 1/2"-D.20 to DN 3/4"-D.25
- 135° angle elbow connection coupling **Ref.820** from DN25 to DN63
- Long double connection coupling **Ref.807** from D.25 to D.50
- Free nut coupling **Ref.806** from DN 3/4"-D.20 to DN 1"-D.32

FOR STEEL PIPES :

- Female straight coupling **Ref.890** from D.21 to D.49
- Male straight coupling **Ref.891** from D.21 to D.49

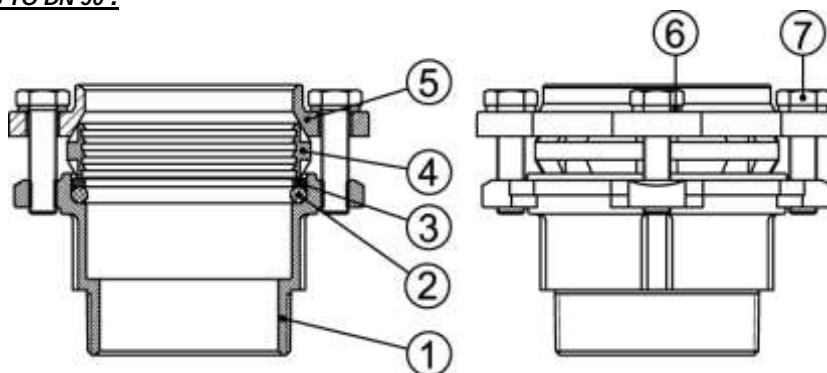
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MATERIALS FROM DN20 TO 63 :



Item	Designation	Materials
1	Coupling	Brass CW617N-4MS according to EN 12165
2	O ring	NBR
3	Tightening ring	Brass
4	Ring	
5	Nut	Brass CW617N-4MS according to EN 12165

MATERIALS FROM DN 75 TO DN 90 :

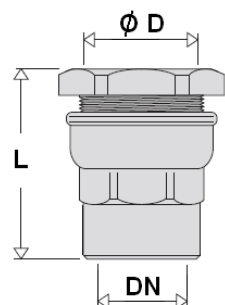


Item	Designation	Materials
1	Coupling	Brass CW 617 N according to EN 12165
2	O ring	NBR
3	Tightening ring	A3
4	Ring	Brass
5	Nut	Brass CW 617 N according to EN 12165
6	Washer	AISI 304
7	Screw	

BRASS FITTINGS FOR PE PIPES POLYETHYLENE PIPING SYSTEM

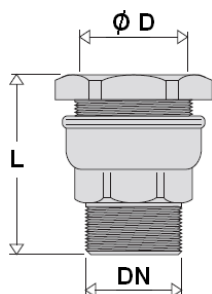
SIZE (in mm) :

- Female coupling Ref.810



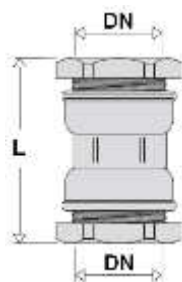
Ø D	20	25	25	32	40	50	63	75	90
DN	1/2"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
L	44.5	47	49.5	54	60.5	61	80	98.5	115
Weig. (Kg)	0.12	0.15	0.15	0.22	0.36	0.5	0.84	1.42	2.11
Ref.	810420	810524	810525	810632	810740	810850	810963	810075	810090

- Male coupling Ref.811



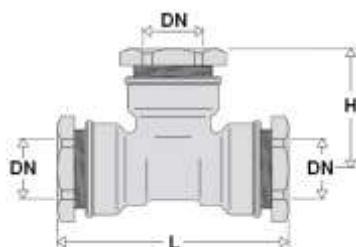
Ø D	20	25	25	32	40	50	63	75	90
DN	1/2"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
L	43.5	46	47	52	58.5	63	80.5	99.5	115.5
Weig. (Kg)	0.11	0.14	0.14	0.22	0.34	0.5	0.85	1.4	2.08
Ref.	811420	811524	811525	811632	811740	811850	811963	811075	811090

- Double connection coupling Ref.813



DN	20	25	32	40	50	63	75	90
L	62	67.5	72.5	81.5	88	120	146	176.5
Weig. (Kg)	0.19	0.24	0.36	0.57	0.83	1.48	2.4	3.41
Ref.	813020	813025	813032	813040	813050	813063	813075	813090

- T coupling Ref.814

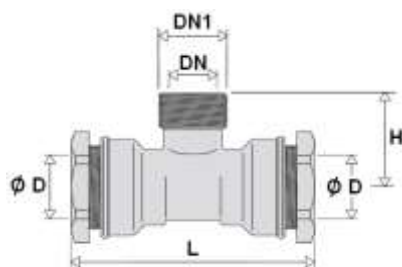


DN	20	25	32	40	50	63	75	90
L	83	92	104	120	138	170	233	283.5
H	44.5	47.5	53.5	62	70.5	92	116.5	141.5
Weig. (Kg)	0.3	0.38	0.6	0.89	1.35	2.34	4.37	6.86
Ref.	814020	814025	814032	814040	814050	814063	814075	814090

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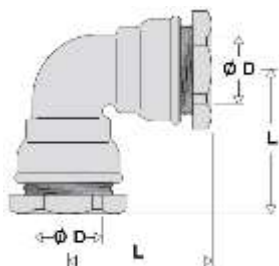
SIZE (in mm) :

- T male/female coupling Ref.815



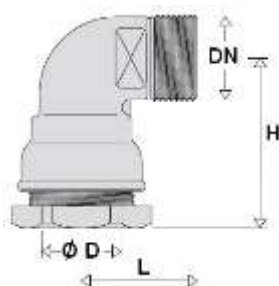
Ø D	20	25	25	32	40	50	63	75	90
DN	3/8"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2
DN1	1/2"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
L	79	84	89	101	119	134	168	213	257.5
H	30	33	34	40	49	54.5	64.5	88	98
Weig. (Kg)	0.22	0.3	0.3	0.44	0.83	1.11	1.94	3.05	4.74
Ref.	815420	815524	815525	815632	815740	815850	815963	815075	815090

- L double connection coupling Ref.816



Ø D	20	25	32	40	50	63	75	90
L	46.5	49	54.5	65	72	90	116.5	141.5
Weig. (Kg)	0.21	0.27	0.43	0.7	1.07	1.66	2.71	4.39
Ref.	816020	816025	816032	816040	816050	816063	816075	816090

- L male coupling Ref.817

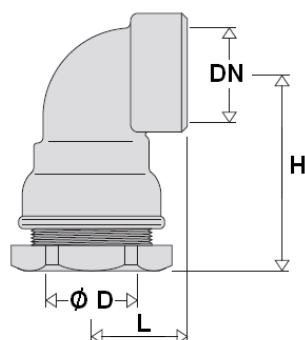


DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Ø D	20	25	32	40	50	63	75	90
L	31	35	41	48	53	60.5	88	98
H	46.5	49	54.5	67	73	91	106.5	128.5
Weig. (Kg)	0.14	0.19	0.3	0.46	0.7	1.12	1.77	2.91
Ref.	817420	817525	817632	817740	817850	817963	817075	817090

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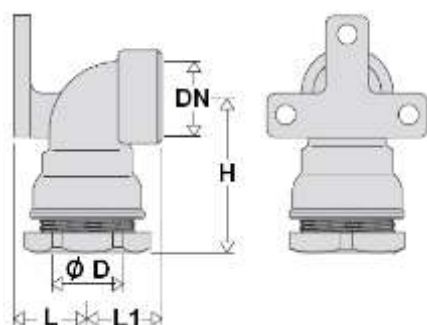
SIZE (in mm) :

- L female coupling Ref.818



DN	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Ø D	20	25	32	40	50	63
L	23	27.5	31.5	39	41.5	49
H	43.5	48.5	54.5	64	70.5	90
Weig. (Kg)	0.14	0.18	0.28	0.47	0.67	1.08
Ref.	818420	818525	818632	818740	818850	818963

- L female coupling with wall connection Ref.819



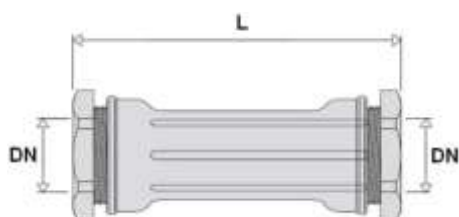
Ø D	20	25	25
DN	1/2"	1/2"	3/4"
L	20	25	25
L1	23	23	27.5
H	243.5	46	48.5
Weig. (Kg)	0.18	0.23	0.24
Ref.	819420	819425	819525

- 135° angle elbow connection coupling Ref.820



DN	25	32	40	50	63
Weig. (Kg)	0.27	0.43	0.7	1.07	1.66
Ref.	820025	820032	820040	820050	820063

- Long double connection coupling Ref.807

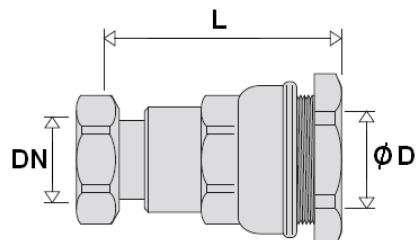


Ø D	25	32	40	50
L	122	126	135	139
Weig. (Kg)	0.35	0.48	0.7	1.01
Ref.	807025	807032	807040	807050

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SIZE (in mm) :

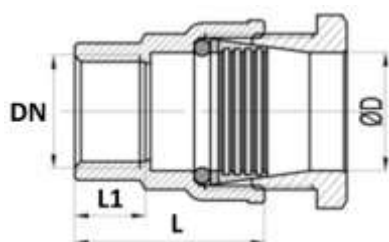
- Free nut coupling Ref.806



DN	3/4"	3/4"	1"	1"
Ø D	20	25	25	32
L	54	57	60	63
Weig. (Kg)	0.18	0.21	0.25	0.31
Ref.	806520	806525	806625	806632

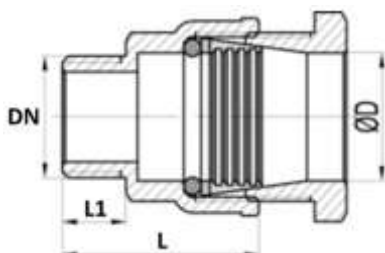
SIZE FOR STEEL PIPES (in mm) :

- Female straight coupling Ref.890



DN	1/2"	3/4"	1"	1"1/4	1"1/2
Ø D	21	27	34	42	49
L	37.5	40.5	46.5	51	50
L1	13	15	17	19	18
Weig. (Kg)	0.12	0.17	0.26	0.38	0.54
Ref.	890421	890527	890634	890742	890849

- Male straight coupling Ref.891



DN	1/2"	3/4"	1"	1"1/4	1"1/2
Ø D	21	27	34	42	49
L	36.5	38	44.5	49	52
L1	11	12	14	16	17
Weig. (Kg)	0.12	0.15	0.25	0.35	0.54
Ref.	891421	891527	891634	891742	891849

STANDARDS :

- Manufacturer certified ISO 9001 : 2015 et ISO 14001 : 2015
- Designing according to DIN 8076-1
- Directive 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- French water agreement **A.C.S. N° 23 ACC LY 487**
- Threaded male and female BSP cylindrical ends according to ISO 228-1

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INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the fittings to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).

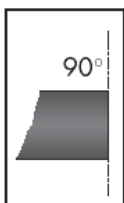
INSTALLATION INSTRUCTIONS :

- Before starting the fitting, ensure that the threads and tapping are clean.
- The theoretical lengths given by ISO/R7 for the tapping are typically longer than required, the length of the thread should be limited, and **check that the end of the tube does not press right up to the head of the thread.**
- For the sealing assembly fittings piping, it is essential to use products that are compatible with the requirements of the French water agreement ACS : **plumbers hemp proscribed.**
- When screwing the fittings, ensure that you only rotate on screwed side by the 6 ended side. Use an open ended spanner or an adjustable spanner and not a monkey wrench.
- Do not over tighten the fittings. Do not block with any extensions as it may cause a rupture or weakening of the casing.
- **In general, for all valves used in buildings and heating, do not tighten above a torque of 30 Nm.**

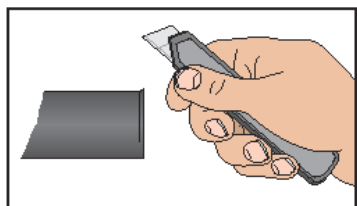
Preparation of the pipe



Do not cut
at an angle



Cut
at 90°



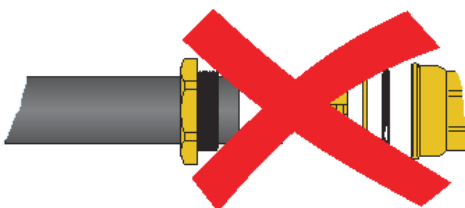
Remove any
external burrs

Instructions for the correct assembly of couplings



do

Insert the pipe into the
coupling with the nut
slackened.



do not

Dismantle the coupling
and slide the various
components onto the
pipe.

The advice and assembly instructions above do not conform to any guarantee.
The information is given in general. It states what must not and must be done.
It is provided to ensure the safety of the personnel and the reliability of the valves.
The instructions in bold must be followed.

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.