Manifolds for sanitary distribution



FLEXUS

FLEXUS data sheet

Self-aligned manifolds

GENERAL FITTINGS
YOUNIQUE · ITALIAN

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Self-aligned manifolds



FLEXUS

DESCRIPTION

FLEXUS manifolds are suitable for heating and sanitary water distribution. Self aligning grants the aligning of the coupled manifolds without using any additional means, such as teflon tape or hemp. They are available with screws (6200-6300) or with mini valves (6200.R6).
Flexus manifolds are suitable for sanitary, heating and cooling installations. Their configuration allows the realization of hot and/or cold circuits in parallel.

ADVANTAGES

- Self-aligning granting the correct and quick aligning of the coupled manifolds
- CONSTANT CENTER DISTANCE
- Perfectly tight: thanks to the O-Ring the coupling is tight without using any additional means, such as Teflon tape or hemp, for a faster installation
- No need to use hemp or other sealants
- Suitable for drinking water
- Product traceability guaranteed by the date stamped on the body of the manifold
- Reinforced collar
- Raw materials complying with UBA LIST
- Suitable for plastic, metal and metal-plastic pipes
- Available with screws and mini valves
- Double O-Ring seal for improved tightness
- Encumbrances reduction

FIELDS OF APPLICATION

APPLICATIONS		T. min.	T. max	T.of the system	Max. pressure
	drinking water	-20°C	+120°C	-20°C +95°C	10 bar
	hot sanitary water	-20°C	+120°C	-20°C +95°C	10 bar
	cooling	-20°C	+120°C	-20°C +95°C	10 bar
	heating	-20°C	+120°C	-20°C +95°C	10 bar

-20°C: only with antifreeze liquid (glycol) in % max of 30%

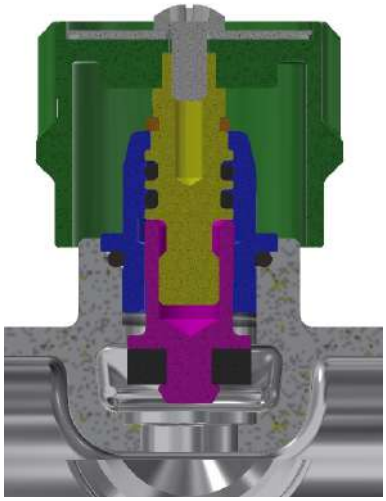
DESTINATION LABELS

Flexus manifolds are supplied with hot/cold water (red/blue) and zone of use identification labels.

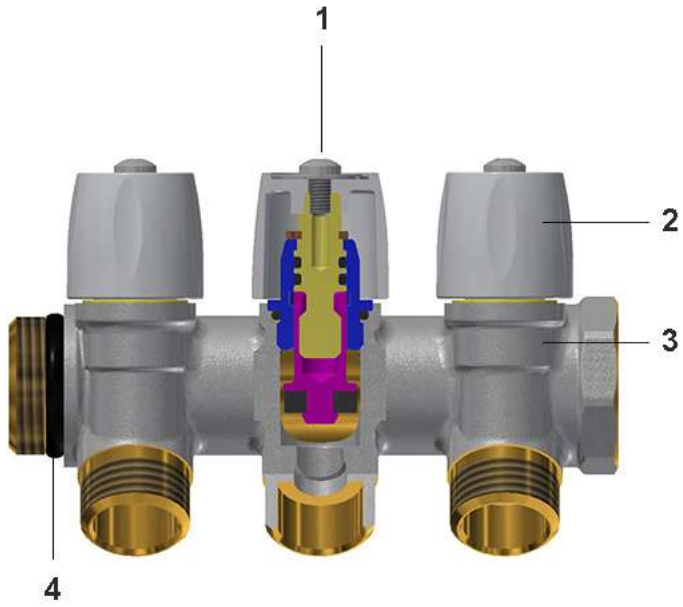


DOUBLE O-RING SEAL

FLEXUS manifolds are characterised by the presence of a double O-ring seal, which guarantees an increased hydraulic seal.

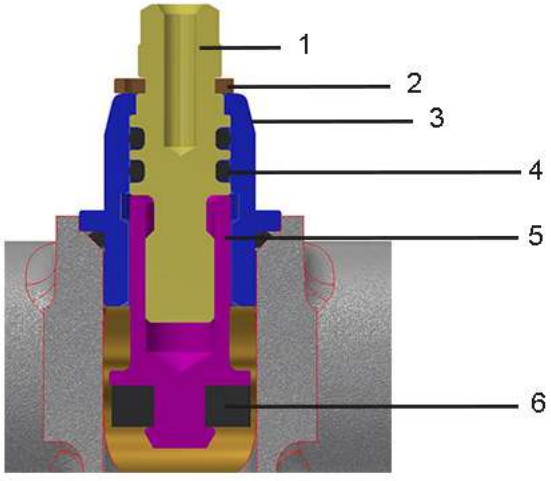


6200.E7 - 6300.E7: COMPONENTS AND MATERIALS



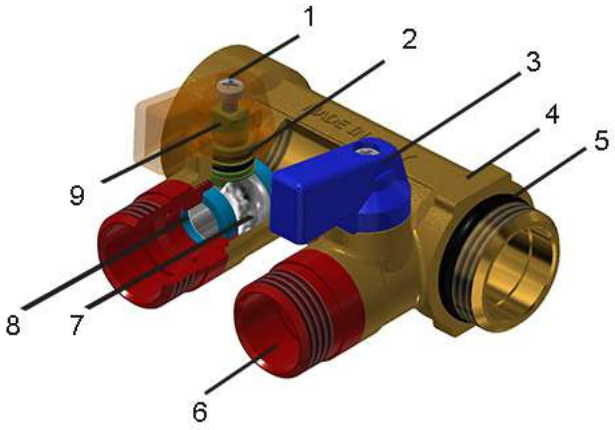
LEGEND		COMPONENTS	MATERIALS
	1	Screw	Steel CB4F
	2	Knob	ABS
	3	Body	Brass CW617N - UNI EN 12165
	4	Self-seal O-Ring	Elastomer for drinking water

6200.E7-6300.E7: SCREW COMPONENTS AND MATERIALS



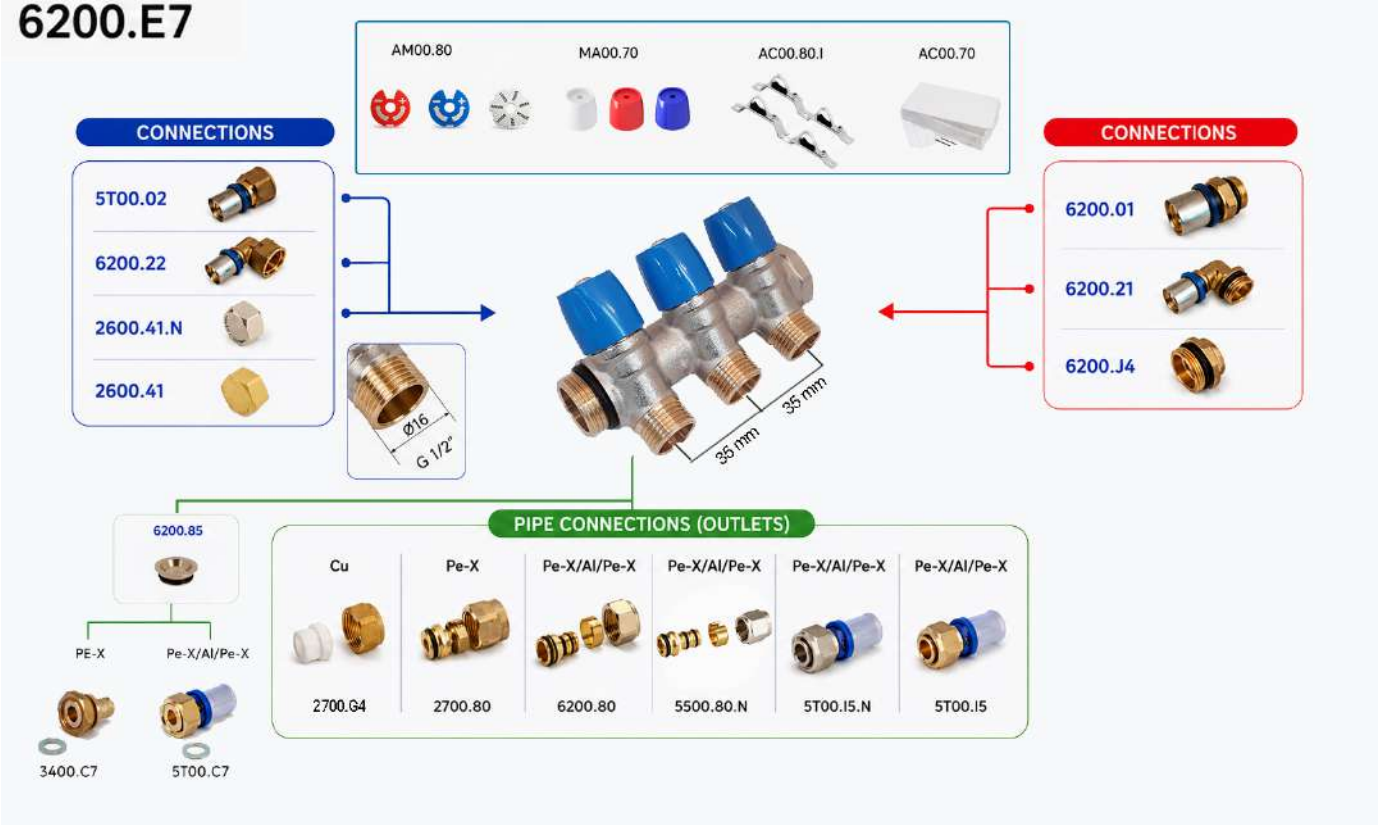
LEGEND		COMPONENTS	MATERIALS
	1	Top stem	Brass CW617N - UNI EN 12164
	2	Stop fork	Phosphor bronze
	3	Body	Brass CW617N - UNI EN 12164
	4	O-Ring	Elastomer for drinking water
	5	Bottom stem	Brass CW617N - UNI EN 12164
	6	Flat gasket	Elastomer for drinking water

6200.R6: COMPONENTS AND MATERIALS



LEGEND		COMPONENTS	MATERIALS
	1	Screw	Fe galvanized
	2	O-Ring	Elastomer for drinking water
	3	Lever	Aluminium
	4	Body	Brass CW617N - UNI EN 12165
	5	Self-seal O-Ring	Elastomer for drinking water
	6	Straight union	Brass CW617N - UNI EN 12165
	7	Ball	CW617N chromed
	8	Ball seal	PTFE elastomer for drinking water
	9	Stem	Brass CW617N - UNI EN 12164

6200.E7: CONNECTION GUIDE



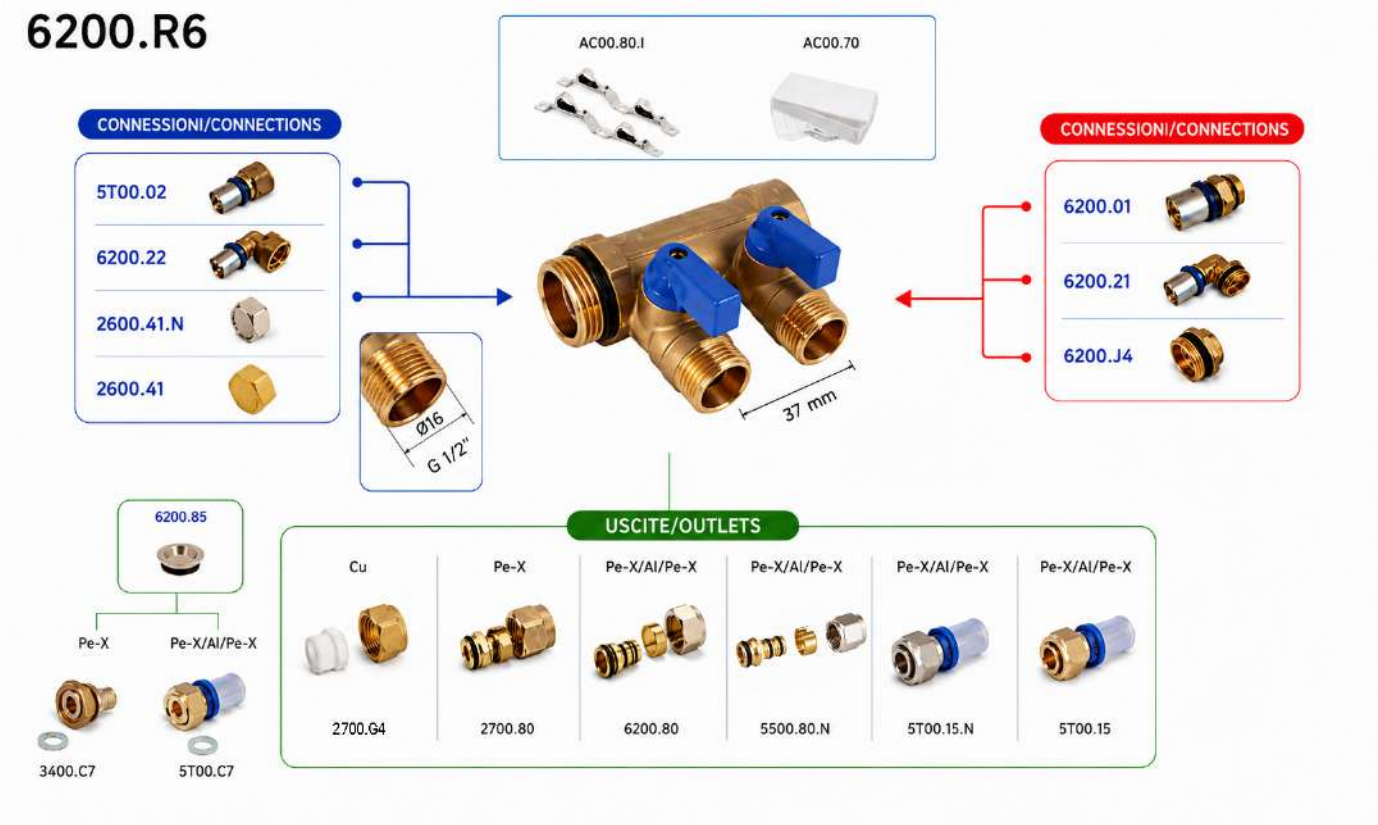
INSERTS AND FITTINGS

CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
MA00.70	Knob	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
6200.85	Flat seal adapter	
2700.G4	Nut and monocone P.T.F.E	copper pipe
2700.80	Nut, olive and insert	Pe-X pipe
6200.80	Nickel-plated nut, olive and insert	multilayer pipe
5500.80.N	Nickel-plated nut, olive and insert	multilayer pipe
5T00.I5	Straight fitting with loose nut and eurocone	multilayer pipe
5T00.I5.N	Nickel plated straight fitting with loose and eurocone	multilayer pipe

INSERTS AND FITTINGS		
6200.01	Male straight fitting with O-Ring	multilayer pipe
6200.21	Self-seal male elbow with O-Ring	multilayer pipe
5T00.02	Female straight fitting	multilayer pipe
6200.22	Self-seal female elbow with O-Ring	multilayer pipe
2600.41/41.N	Female cap / Nickel plated female cap	
6200.J4	Male cap with O-Ring	
3400.C7	Straight fitting with loose nut and flat washer	Pe-X pipe
5T00.C7	Straight fitting with loose nut and flat washer	multilayer pipe

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6200.R6: CONNECTION GUIDE

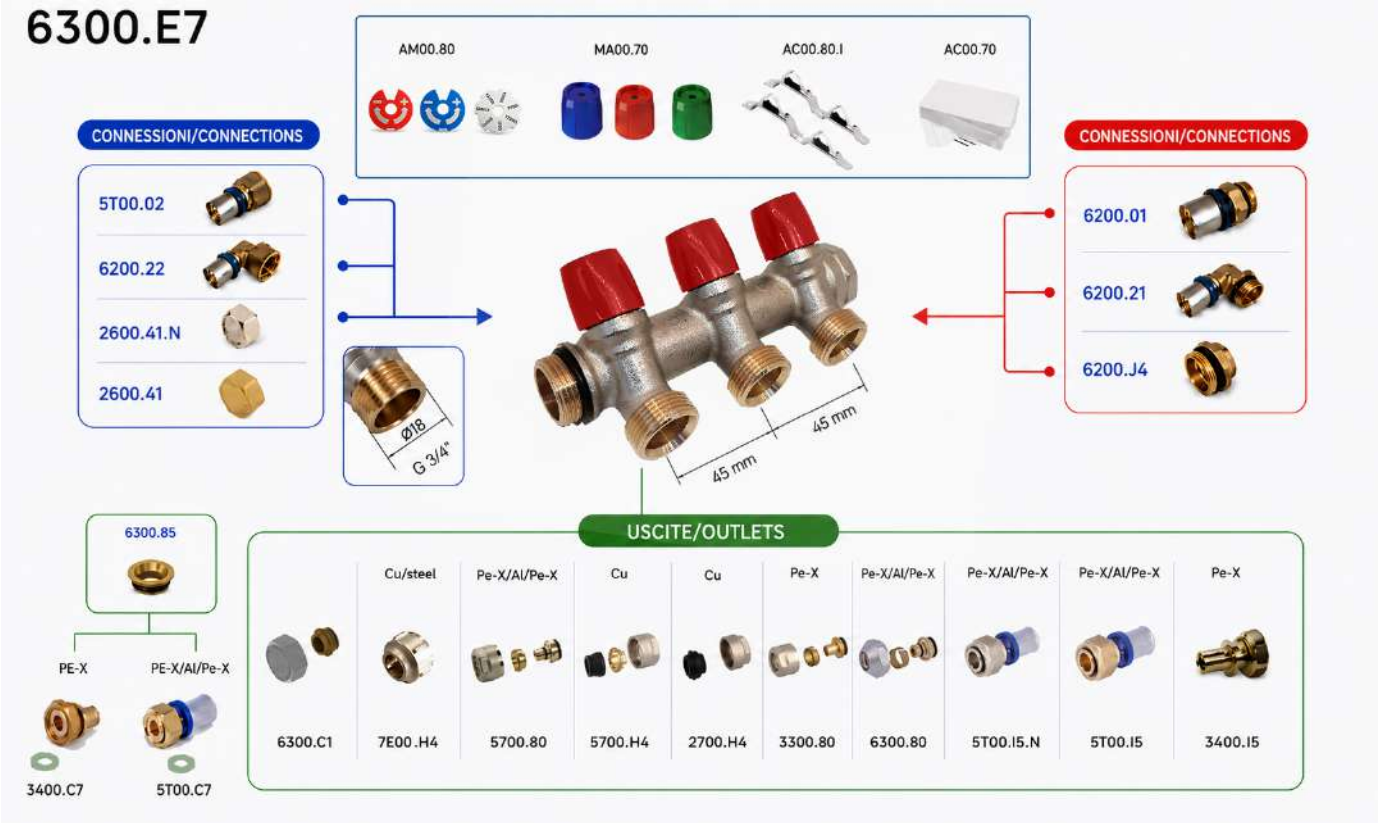


INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
6200.85	Flat seal adapter	
2700.G4	Nut and monocone P.T.F.E	copper pipe
2700.80	Nut, olive and insert	Pe-X pipe
6200.80	Nickel-plated nut, olive and insert	multilayer pipe
5500.80.N	Nickel-plated nut, olive and insert	multilayer pipe
5T00.I5	Straight fitting with loose nut and eurocone	multilayer pipe
5T00.I5.N	Nickel plated straight fitting with loose and eurocone	multilayer pipe
6200.01	Male straight fitting with O-Ring	multilayer pipe

INSERTS AND FITTINGS		
6200.21	Self-seal male elbow with O-Ring	multilayer pipe
5T00.02	Female straight fitting	multilayer pipe
6200.22	Self-seal female elbow with O-Ring	multilayer pipe
2600.41/41.N	Female cap / Nickel plated female cap	
6200.J4	Male cap with O-Ring	
3400.C7	Straight fitting with loose nut and flat washer	Pe-X pipe
5T00.C7	Straight fitting with loose nut and flat washer	multilayer pipe

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6300.E7: CONNECTION GUIDE



INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
MA00.70	Knob	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
7E00.H4	Eurocone kit	copper and steel pipe
6300.C1	Eurocone cap with O-Ring for manifolds	
6300.85	Flat seal adapter	
5700.H4	Nickel plated nut with assembled ring and gasket	copper pipe
2700.H4	Nickel plated nut with assembled ring and gasket	copper pipe
3300.80	Nickel plated nut, olive and insert eurocone	Pe-X pipe
5700.80	Nickel plated nut, olive and insert eurocone	multilayer pipe

INSERTS AND FITTINGS		
6300.80	Nickel plated nut, olive and insert eurocone	multilayer pipe, Pe-X pipe (only for Ø17)
5T00.I5.N	Nickel-plated straight fitting with loose nut and conical connection	multilayer pipe
5T00.I5.N	Nickel plated straight fitting with loose and eurocone	multilayer pipe
3400.I5	Straight fitting with loose nut and eurocone connection	Pe-X pipe
3400.C7	Straight fitting with loose nut and flat washer	Pe-X pipe
5T00.C7	Straight fitting with loose nut and flat washer	multilayer pipe
6200.01	Male straight fitting with O-Ring	multilayer pipe
6200.21	Self-seal male elbow with O-Ring	multilayer pipe
5T00.02	Female straight fitting	multilayer pipe
6200.22	Self-seal female elbow with O-Ring	multilayer pipe
2600.41/41.N	Female cap / Nickel plated female cap	
6200.J4	Male cap with O-Ring	

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CERTIFICATIONS

COUNTRY	CERTIFICATION	COUNTRY	CERTIFICATION	COUNTRY	CERTIFICATION

REGULATIONS

• UNI EN ISO 228-1
Threads complies with UNI EN ISO 228-1:2003 law: “Piping thread for coupling not with thightness on the thread"

• UNI EN 13828 (only for 6200.R6)
“Ball valves of copper alloys and stainless steel hand operated, for the supply of drinking water in buildings”.

• D.M. 174 (06/04/2004)
Raw materials used are of high quality and comply with the Ministerial Decree N°174 dated 06/04/2004 concerning the materials and the items used in fixed installations for water collection, treatment and supply.

• UNI EN ISO 1254 part 2,3,4
Copper and copper alloys - Plumbing fittings

• Comply with 4MS, UBA List (BC group), DIN 50930/6 Dir. 2011/65/UE, 6C attachment III (RhOSII). The UBA list will be gradually replaced and supplemented by the new European system, the European Positive List (EU Positive List), managed by ECHA, although UBA-certified products may continue to be used in accordance with the transitional deadlines set out in the European Drinking Water Directive (DWD 2020/2184).

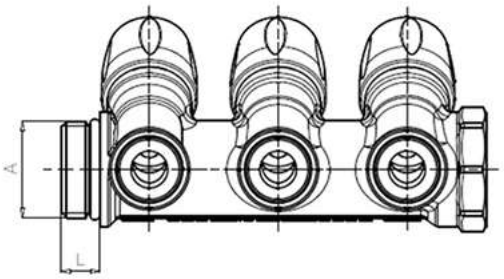
ASSEMBLY INSTRUCTIONS

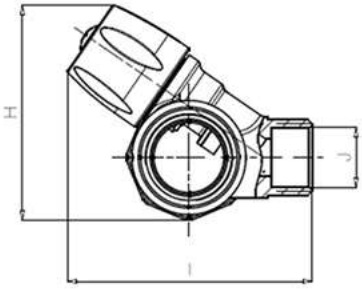
FLEXUS manifolds can be assembled in AC00.70 cabinet which includes fixing kit.

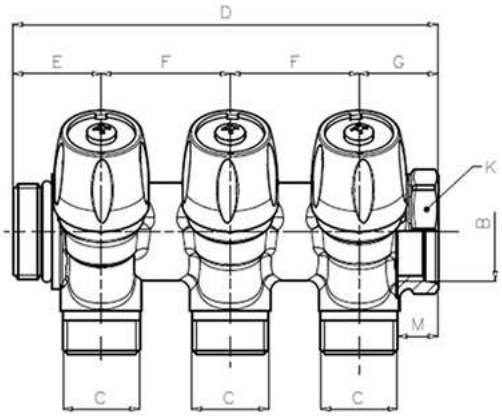


CODE	SIZE
AC0070H203295H	260x320x95
AC0070H204095H	260x400x95
AC0070H205095H	260x500x95

DIMENSIONS 6200.E7





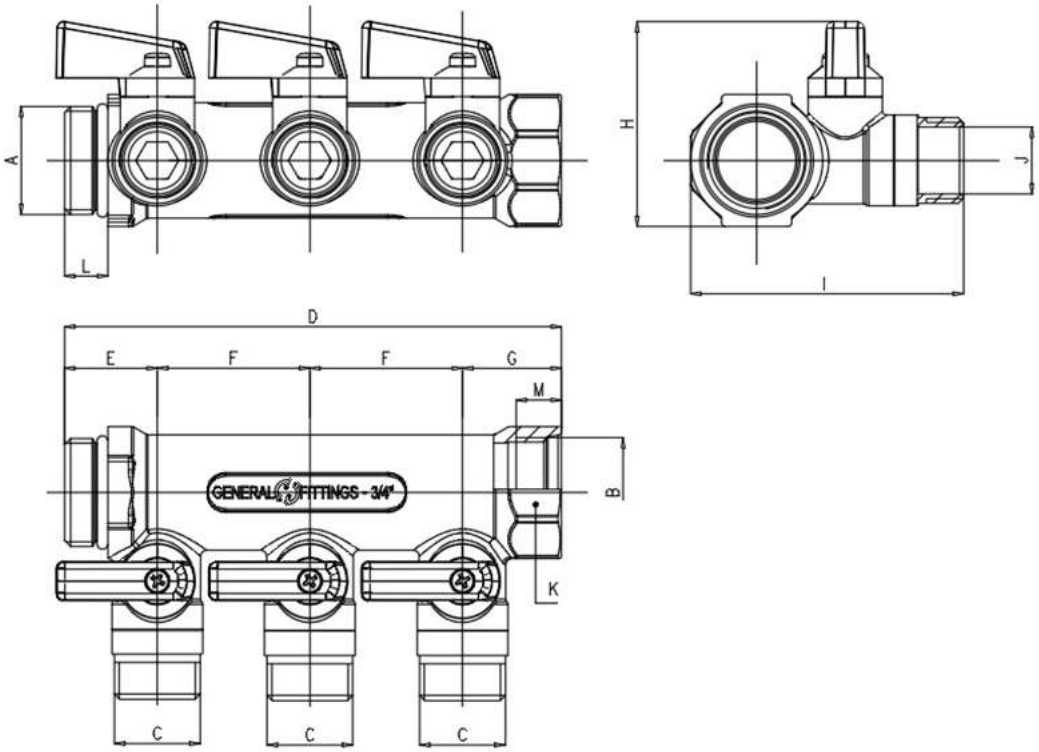


CODE	A-B	C	D	E	F	G	H	I	K	J	L	M
6200E7N0504W2A 6200E7N0504B2A 6200E7N0504R2A	G 3/4"	G 1/2"	80.5	24	35	21.5	58	66	32	Ø16,25	10.5	11
6200E7N0504W3A 6200E7N0504B3A 6200E7N0504R3A	G 3/4"	G 1/2"	115.5	24	35	21.5	58	66	32	Ø16,25	10.5	11
6200E7N0504W4A 6200E7N0504B4A 6200E7N0504R4A	G 3/4"	G 1/2"	150.5	24	35	21.5	58	66	32	Ø16,25	10.5	11
6200E7N0504W5A 6200E7N0504B5A 6200E7N0504R5A	G 3/4"	G 1/2"	185.5	24	35	21.5	58	66	32	Ø16,25	10.5	11
6200E7N1004W2A 6200E7N1004B2A 6200E7N1004R2A	G 1"	G 1/2"	92	28	35	29	62	68	38	Ø16,25	12	13
6200E7N1004W3A 6200E7N1004B3A 6200E7N1004R3A	G 1"	G 1/2"	127	28	35	29	62	68	38	Ø16,25	12	13

CODE	A-B	C	D	E	F	G	H	I	K	J	L	M
6200E7N1004W4A 6200E7N1004B3A 6200E7N1004R3A	G 1"	G 1/2"	162	28	35	29	62	68	38	Ø16,25	12	13

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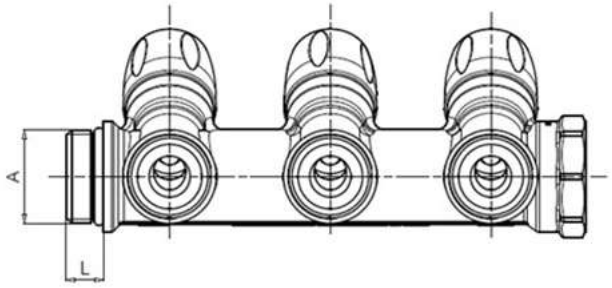
DIMENSIONS 6200.R6

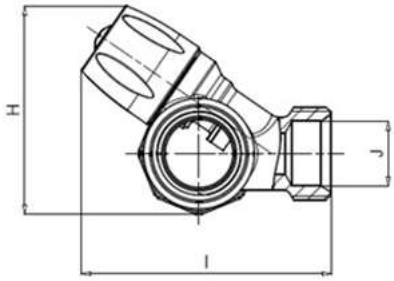


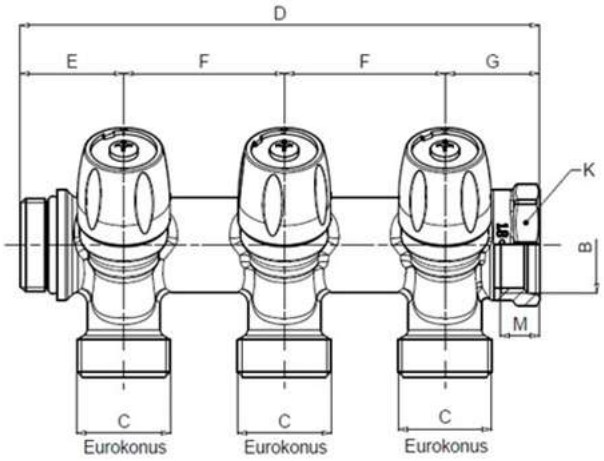
CODE	A-B	C	D	E	F	G	H	I	K	J	L	M
6200R6H0504B2A 6200R6H0504R2A	G 3/4"	G 1/2"	83.5	22.5	37	24	49.7	66.5	32	Ø16,25	10.5	11
6200R6H0504B3A 6200R6H0504R3A	G 3/4"	G 1/2"	120.5	22.5	37	24	49.7	66.5	32	Ø16,25	10.5	11
6200R6H0504B4A 6200R6H0504R4A	G 3/4"	G 1/2"	157.5	22.5	37	24	49.7	66.5	32	Ø16,25	10.5	11
6200R6H1004B2A 6200R6H1004R2A	G 1"	G 1/2"	87	24	37	26	52.7	72.5	38	Ø16,25	12	13
6200R6H1004B3A 6200R6H1004R3A	G 1"	G 1/2"	124	24	37	26	52.7	72.5	38	Ø16,25	12	13

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DIMENSIONS 6300.E7







CODE	A-B	C	D	E	F	G	H	I	K	J	L	M
6300E7N0505V2A 6300E7N0505R2A 6300E7N0505B2A	G 3/4"	3/4" Ek.	100.5	29	45	26.5	58	70	32	Ø18,1	10.5	11
6300E7N0505V3A 6300E7N0505R3A 6300E7N0505B3A	G 3/4"	3/4" Ek.	145.5	29	45	26.5	58	70	32	Ø18,1	10.5	11
6300E7N0505V4A 6300E7N0505R4A 6300E7N0505B4A	G 3/4"	3/4" Ek.	190.5	29	45	26.5	58	70	32	Ø18,1	10.5	11
6300E7N1005V2A 6300E7N1005R2A 6300E7N1005B2A	G 1"	3/4" Ek.	102	28	45	29	62	70	38	Ø 18,1	12	13
6300E7N1005V3A 6300E7N1005R3A 6300E7N1005B3A	G 1"	3/4" Ek.	147	28	45	29	62	70	38	Ø 18,1	12	13
6300E7N1005V4A 6300E7N1005R4A 6300E7N1005B4A	G 1"	3/4" Ek.	192	28	45	29	62	70	38	Ø 18,1	12	13

TIGHTENING TURNS FOR MAIN ADAPTERS

CODICE Code		TUBO Pipe	FILETTO Thread	FORZA DI CHIUSURA (GIRO) Torque force and nut turns number
	570080N051620A	Pe-X/Al/Pe-X	3/4"	da from 35 Nm (3/4) a to 55 Nm (1)
	570080N051820A	Pe-X/Al/Pe-X	3/4"	da from 45 Nm (3/4) a to 60 Nm (1)
	570080N052020A	Pe-X/Al/Pe-X	3/4"	da from 45 Nm (3/4) to a 55 Nm (1)
	620080NX41626A	Pe-X/Al/Pe-X	1/2"	da from 30 Nm (1) a to 35 Nm (1 1/4)
	630080NX51626A	Pe-X/Al/Pe-X	3/4"	da from 30 Nm (3/4) a to 35 Nm (1)
	630080NX52029A	Pe-X/Al/Pe-X	3/4"	da from 30 Nm (1) a to 35 Nm (1 1/4)
	330080N051214A	Pe-X	3/4"	da from 35 Nm (1) a to 45 Nm (1 1/4)
	330080N051525A	Pe-X	3/4"	da from 23 Nm (1/2) a to 30 Nm (3/4)
	330080N051620A	Pe-X	3/4"	da from 45 Nm (1/2) a to 60 Nm (3/4)
	330080N051622A	Pe-X	3/4"	da from 30 Nm (1/2) a to 50 Nm (3/4)
	330080N051720A	Pe-X	3/4"	da from 45 Nm (1/2) a to 60 Nm (3/4)
	330080N051825A	Pe-X	3/4"	da from 40 Nm (1/2) a to 60 Nm (3/4)
	330080N052020A	Pe-X	3/4"	da from 50 Nm (1) a to 60 Nm (1 1/4)
	330080N052028A	Pe-X	3/4"	da from 40 Nm (1) a to 50 Nm (1 1/4)
	5T00I5H051620T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	5T00I5H051820T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	5T00I5H052020T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	5T00I5N051620T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	5T00I5N051820T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	5T00I5N052020T	Pe-X/Al/Pe-X	3/4"	Fino a battuta - up to the end
	270080H041620A	Pe-X	1/2"	da from 30 Nm (1 1/4) a to 35 Nm (1 3/4)
	270080H041622A	Pe-X	1/2"	da from 30 Nm (3/4) a to 40 Nm (1)
	620080N041620A	Pe-X/Al/Pe-X	1/2"	da from 40 Nm (1) a to 55 Nm (1 1/4)
	620080N041622A	Pe-X/Al/Pe-X	1/2"	da from 35 Nm (3/4) a to 45 Nm (1)

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TIGHTENING TURNS FOR MAIN ADAPTERS

CODICE Code		TUBO Pipe	FILETTO Thread	FORZA DI CHIUSURA (GIRO) Torque force and nut turns number
	550080N041620A	Pe-X	1/2"	da from 25 Nm (1) a to 30 Nm (1 1/4)
		Pe-X/Al/Pe-X	1/2"	da from 30 Nm (1) a to 35 Nm (1 1/4)
	550080N041622A	Pe-X	1/2"	da from 25 Nm (1) a to 30 Nm (1 1/4)
		Pe-X/Al/Pe-X	1/2"	da from 30 Nm (1) a to 35 Nm (1 1/4)
	5T00I5H041620T	Pe-X/Al/Pe-X	1/2"	Fino a battuta - up to the end
	5T00I5H042020T	Pe-X/Al/Pe-X	1/2"	Fino a battuta - up to the end
	5T00I5N041620T	Pe-X/Al/Pe-X	1/2"	Fino a battuta - up to the end
	5T00I5N042020T	Pe-X/Al/Pe-X	1/2"	Fino a battuta - up to the end
	2700G4H041000A	Rame semiduro (R250)	1/2"	da from 35 Nm (1) a to 45 Nm (1 1/4)
	2700G4H041200A	Rame semiduro (R250)	1/2"	da from 25 Nm (1) a to 40 Nm (1 1/2)
	2700G4H041600A	Rame semiduro (R250)	1/2"	da from (1) a to 30 Nm (1 3/4)
	2700H4N051000H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	2700H4N051200H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	2700H4N051400H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	2700H4N051500H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	2700H4N051600H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	2700H4N051800H	Rame semiduro (R250)	3/4"	(1 + 1/4)
	5700H4N051500A	Rame semiduro (R250)	3/4"	da from 50 Nm (1) a to 55 Nm (1 1/2)
	640080C241620A	Pe-X/Al/Pe-X	24x19	da from 30 Nm (1) a to 40 Nm (1 1/4)
		Pe-X	24x19	da from 20 Nm (3/4) a to 25 Nm (1 1/4)
	640080C242020A	Pe-X/Al/Pe-X	24x19	da from 30 Nm (1 1/2) a to 35 Nm (1 3/4)
		Pe-X	24x19	da from 20 Nm (1 1/2) a to 25 Nm (2)
	630080N051620A	Pe-X/Al/Pe-X	3/4"	da from 40 Nm (3/4) a to 45 Nm (1)

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