Manifolds for sanitary distribution



FLEXUS 90°

FLEXUS 90° data sheet

Self-aligned manifolds with O-Ring

GENERAL FITTINGS
YOUNIQUE · ITALIAN

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Self-aligned manifolds with O-Ring

FLEXUS 90°



DESCRIPTION

FLEXUS 90° manifolds are suitable for heating and sanitary water distribution. Self aligning and the O-Ring grant the aligning of the coupled manifolds without using any additional means, such as teflon tape or hemp. 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
- 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
- Double O-Ring seal for improved tightness
- Thanks to the screw made of 3 brass components, the knob moves on its axis of rotation without changing its height position in relation to the manifold
- "Gravity casting" body
- Available with valves (with destination labels), with 3/4" or 1" inlet and 1/2", 3/4"EK, 24x19 outlets
- Raw materials complying with UBA LIST
- Suitable for plastic, metal and metal-plastic pipes
- The front position of the knob allows easy access and good maneuvering convenience
- Encumbrances reduction
- Constant center distance 45 mm

Suitable for drinking water

FIELDS OF APPLICATION

APPLICATIONS		T. min.	T. max	T.of the system	Max. pressure
	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%

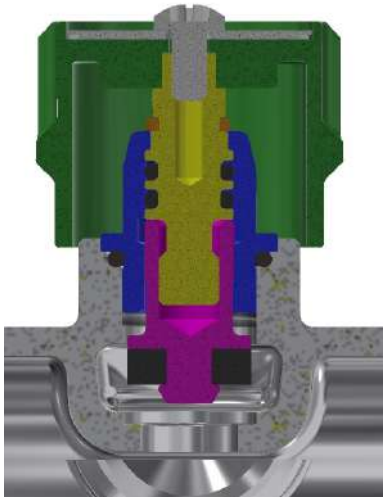
DESTINATION LABELS

Flexus 90° manifolds are supplied with hot/cold water (red/blue) and zone of use identification labels.

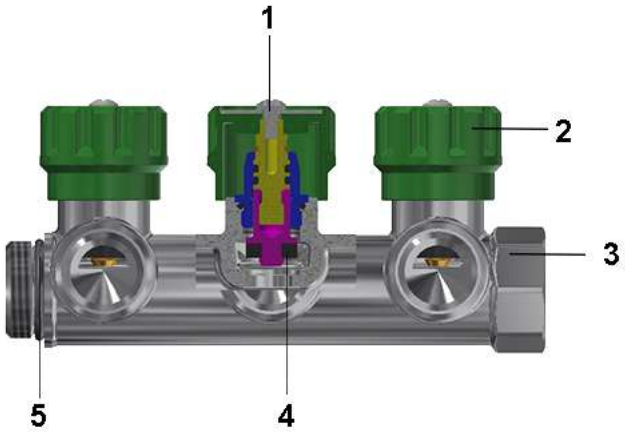


DOUBLE O-RING SEAL

FLEXUS 90° manifolds are characterised by the presence of a double O-Ring seal on the manoeuvring rod that guarantees a greater hydraulic seal, an additional O-Ring to guarantee a seal between the screw and the manifold body, and a flat gasket that allows the fluid to be intercepted once the knob has been screwed shut.

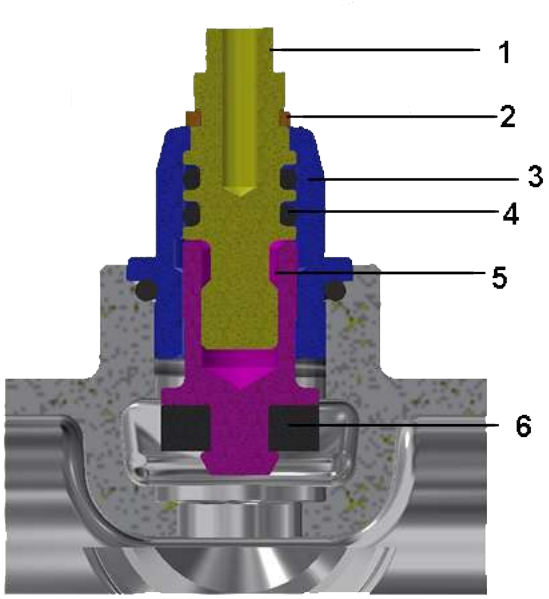


COMPONENTS AND MATERIALS



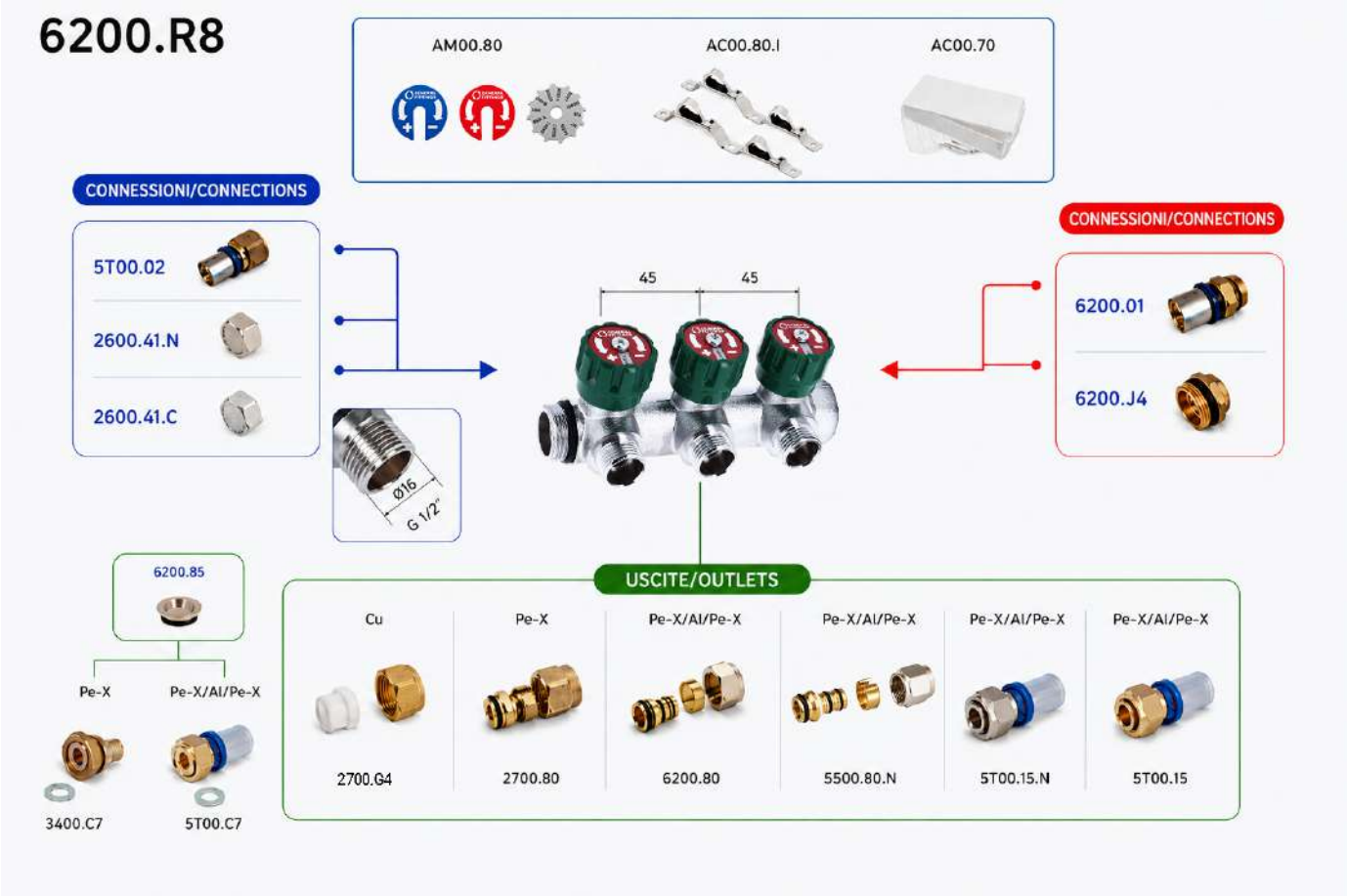
LEGEND		COMPONENTS	MATERIALS
	1	Screw	Steel CB4F
	2	Knob	ABS
	3	Body	CB753S-UNI EN 1982:2000
	5	Self-seal O-Ring	Elastomer for drinking water
	4	Flat gasket	Elastomer for drinking water

6200.R8-6300.R8-6400.R8-6200.RP: 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.R8: CONNECTION GUIDE

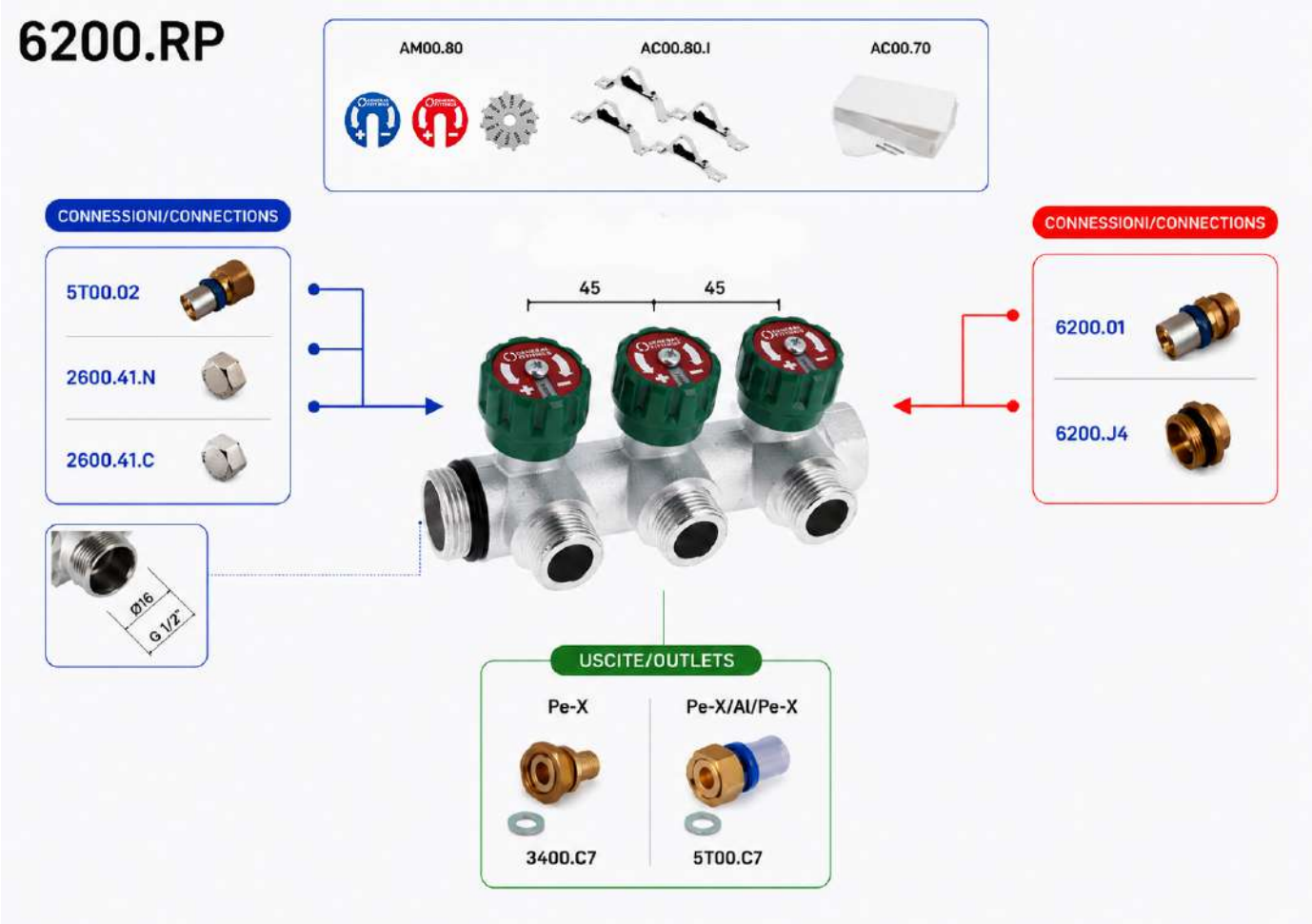


INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
6200.85	Flat seal adapter	
2700.G4	Nut and monocone P.T.F.E	copper pipe
2700.80	Nut, olive and insert	Pe-X pipe
6200.80	Nickel-plated nut, olive and insert	multilayer 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		
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
5T00.02	Female straight fitting	multilayer pipe
2600.41.C	Chrome plated female cap	
2600.41.N	Nickel plated female cap	
6200.J4	Male cap with O-Ring	

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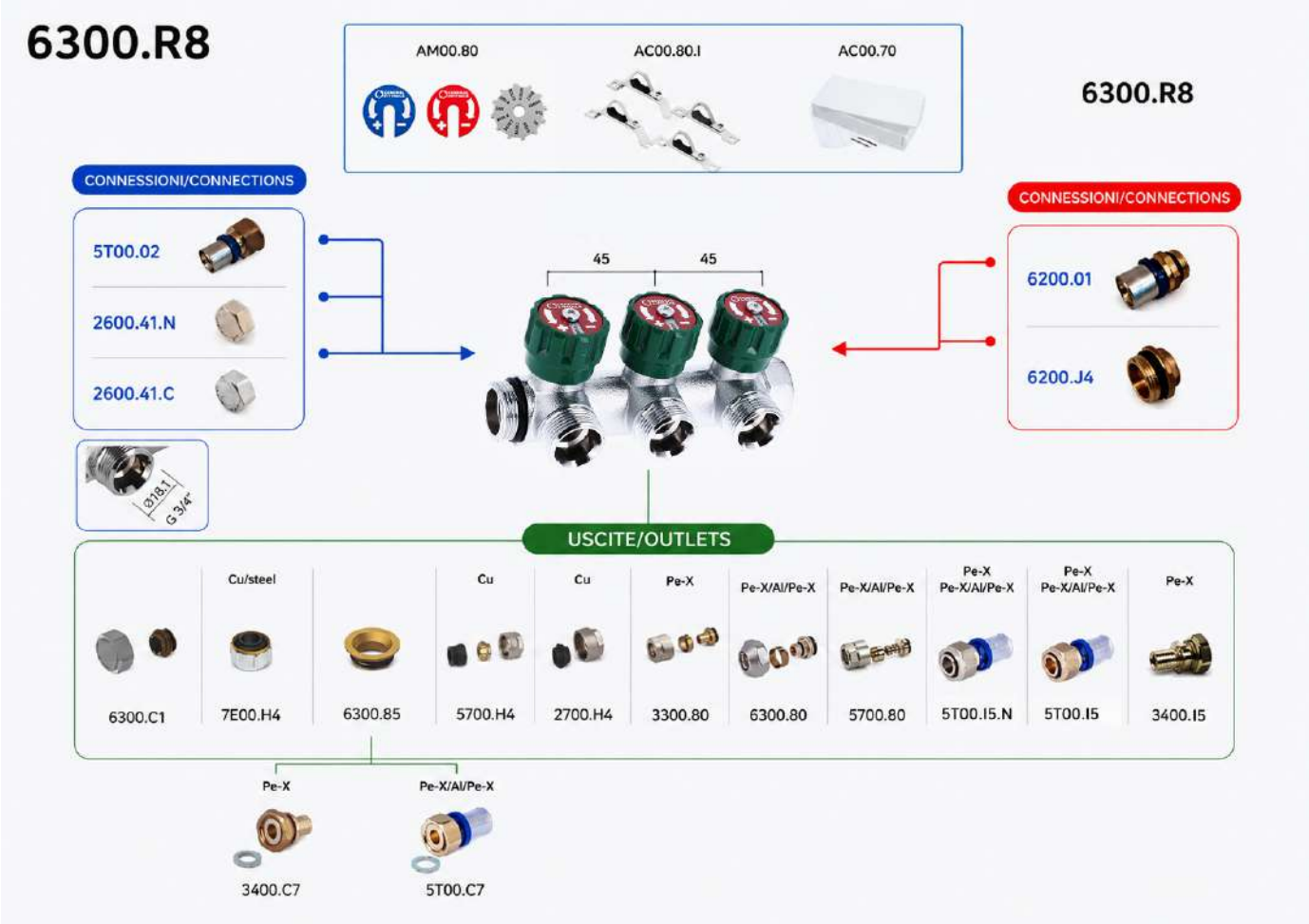
6200.RP: CONNECTION GUIDE



INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
6200.01	Male straight fitting with O-Ring	multilayer pipe
5T00.02	Female straight fitting	multilayer pipe
2600.41.C	Chrome plated female cap	
2600.41.N	Nickel plated female cap	
6200.J4	Male cap with O-Ring	
3400.C7	Straight fitting with loose nut and flat washer	Pe-X pipe
5T00C.7	Straight fitting with loose nut and flat washer	multilayer pipe

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6300.R8: CONNECTION GUIDE

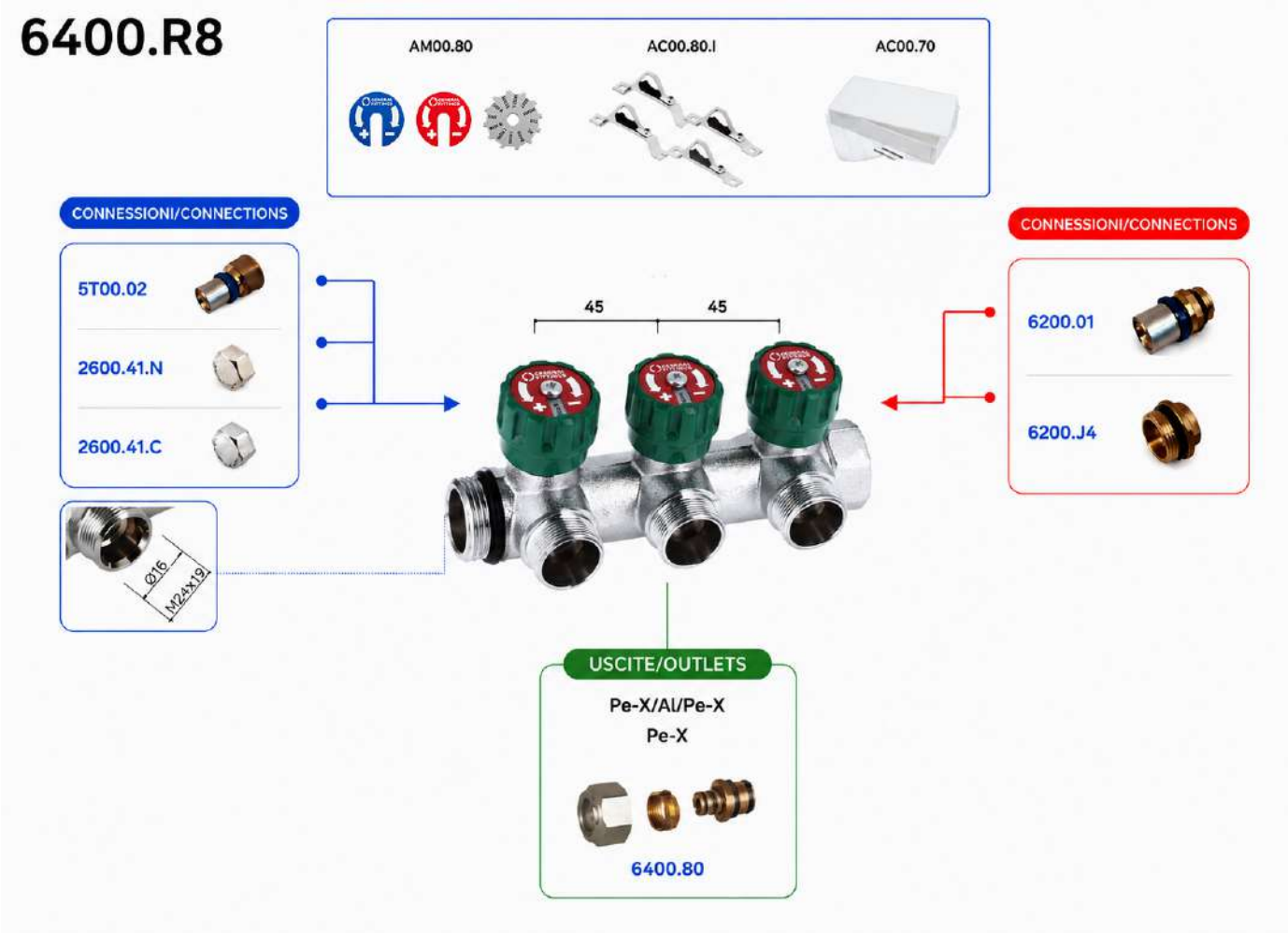


3400.I5	Straight fitting with loose nut and eurocone	Pe-X pipe
INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
7E00.H4	Eurocone kit	copper and steel pipe
6300.C1	Eurocone cap with o-ring - for manifolds	
6300.85	Flat seal adapter	Pe-X pipe 5S00.C7: tubo multistrato
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
6300.80	Nickel plated nut, olive and insert eurocone	multilayer pipe, Pe-X pipe (only for Ø17)
5T00.I5	Straight fitting with loose nut and eurocone	multilayer pipe
5T00.I5.N	Nickel plated straight fitting with loose and eurocone	multilayer 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
5T00.02	Female straight fitting	multilayer pipe
2600.41.C	Chrome plated female cap	
2600.41.N	Nickel plated female cap	
6200.J4	Male cap with O-Ring	

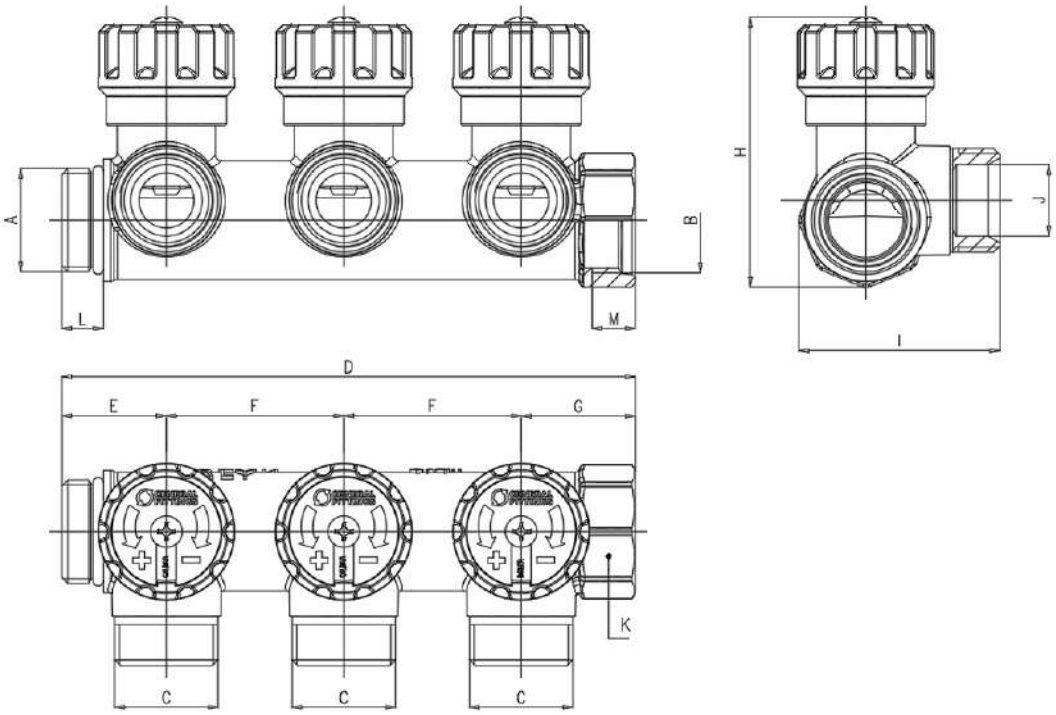
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6400.R8: CONNECTION GUIDE



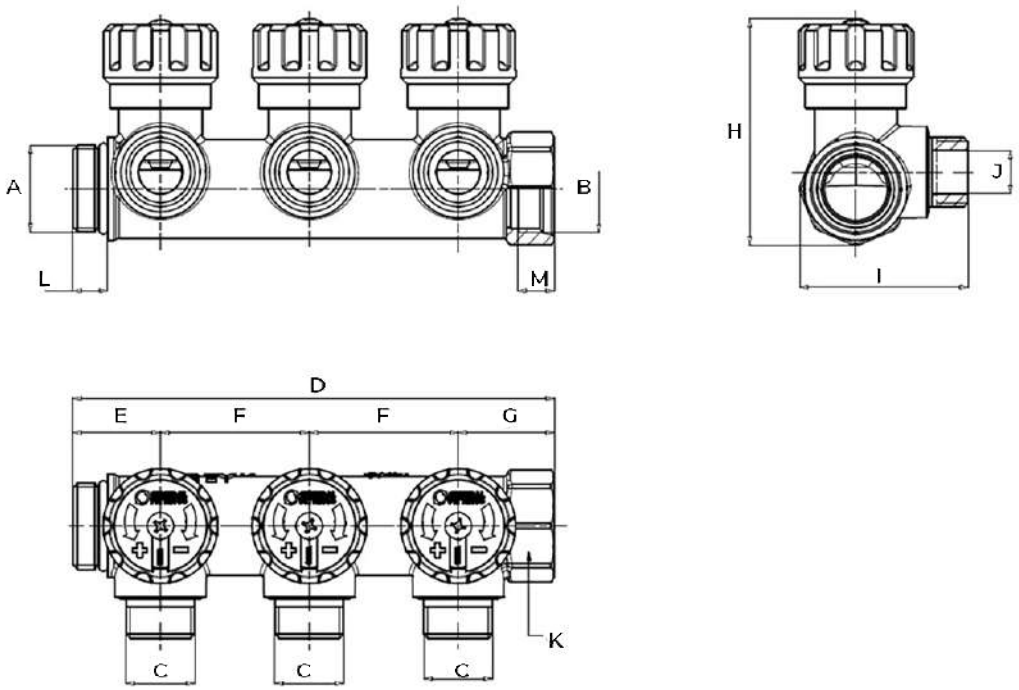
INSERTS AND FITTINGS		
CODE	DESCRIPTION	PIPE
AM00.80	Destination label	
AC00.80.I	Bracket for Flexus manifolds	
AC00.70	Manifold cabinet	
6200.01	Male straight fitting with O-Ring	multilayer pipe
5T00.02	Female straight fitting	multilayer pipe
2600.41.C	Chrome plated female cap	
2600.41.N	Nickel plated female cap	
6200.J4	Male cap with O-Ring	
6400.80	Pipe adapter with chrome plated nut, olive and insert	multilayer pipe; Pe-X pipe

6200.R8 DIMENSIONS



CODE	A/B	C	D	E	F	G	H	I	K	J	L	M
6200R8C0504V2A	G 3/4"	G 1/2"	100.5	26.5	45	29	68	51	32	Ø16,25	10.5	11
6200R8C0504V3A	G 3/4"	G 1/2"	145.5	26.5	45	29	68	51	32	Ø16,25	10.5	11
6200R8C0504V4A	G 3/4"	G 1/2"	190.5	26.5	45	29	68	51	32	Ø16,25	10.5	11
6200R8C1004V2A	G 1"	G 1/2"	102	27	45	30	73	57	39	Ø16,25	12	13
6200R8C1004V3A	G 1"	G 1/2"	147	27	45	30	73	57	39	Ø16,25	12	13
6200R8C1004V4A	G 1"	G 1/2"	193	27	45	31	73	57	39	Ø16,25	12	13

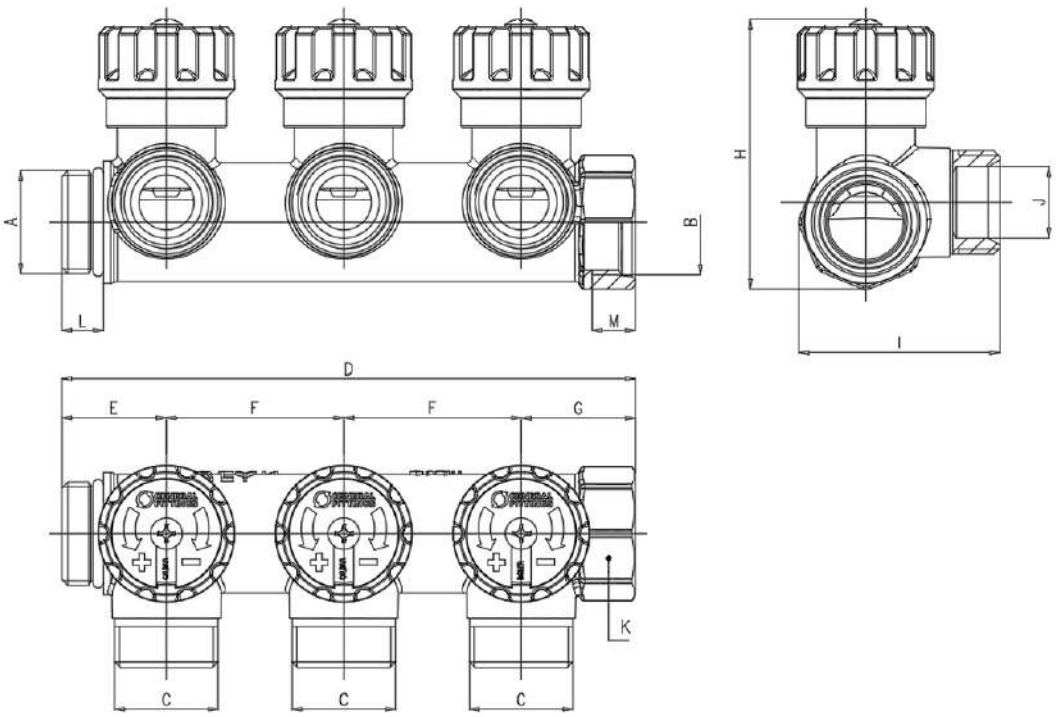
6200.RP DIMENSIONS



CODE	A/B	C	D	E	F	G	H	I	K	J	L	M
6200RPC0504V2A	G 3/4"	G 1/2"	100.5	26.5	45	29	68	51	32	Ø13	10.5	11
6200RPC0504V3A	G 3/4"	G 1/2"	145.5	26.5	45	29	68	51	32	Ø13	10.5	11
6200RPC0504V4A	G 3/4"	G 1/2"	190.5	26.5	45	29	68	51	32	Ø13	10.5	11
6200RPC1004V2A	G 1"	G 1/2"	102	27	45	30	73	57	39	613	12	13
6200RPC1004V3A	G 1"	G 1/2"	147	27	45	30	73	57	39	Ø13	12	13
6200RPC1004V4A	G 1"	G 1/2"	193	27	45	31	73	57	39	Ø13	12	13

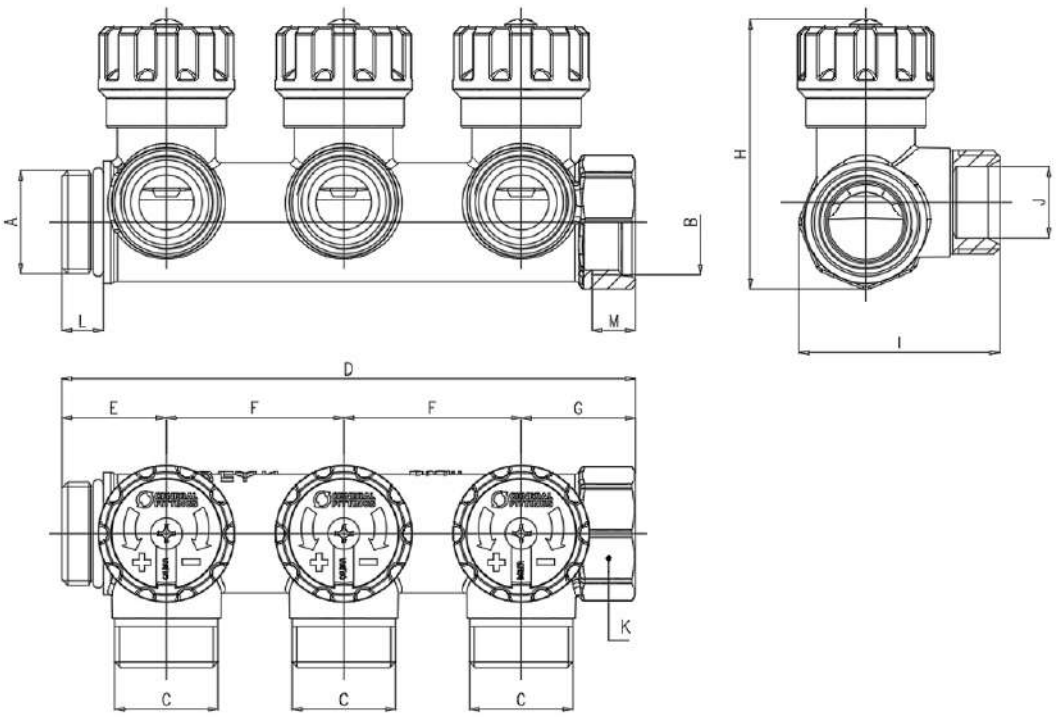
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6400.R8 DIMENSIONS



CODE	A/B	C	D	E	F	G	H	I	K	J	L	M
6400R8C0524V2A	G 3/4"	W24x 19	100.5	26.5	45	29	68	51	32	Ø16.2	10.5	11
6400R8C0524V3A	G 3/4"	W24x 19	145.5	26.5	45	29	68	51	32	Ø16.2	10.5	11
6400R8C0524V4A	G 3/4"	W24x 19	190.5	26.5	45	29	68	51	32	Ø16.2	10.5	11
6400R8C1024V2A	G 1"	W24x 19	102	27	45	30	73	57	39	616.2	12	13
6400R8C1024V3A	G 1"	W24x 19	147	27	45	30	73	57	39	Ø16.2	12	13
6400R8C1024V4A	G 1"	W24x 19	193	27	45	31	73	57	39	Ø16.2	12	13

6300.R8 DIMENSIONS



CODE	A/B	C	D	E	F	G	H	I	K	J	L	M
6300R8C0505V2A	G 3/4"	G 3/4"	100.5	26.5	45	29	68	51	32	Ø18.1	10.5	11
6300R8C0505V3A	G 3/4"	G 3/4"	145.5	26.5	45	29	68	51	32	Ø18.1	10.5	11
6300R8C0505V4A	G 3/4"	G 3/4"	190.5	26.5	45	29	68	51	32	Ø18.1	10.5	11
6300R8C1005V2A	G 1"	G 1"	102	27	45	30	73	57	39	Ø18.1	12	13
6300R8C1005V3A	G 1"	G 3/4"	147	27	45	30	73	57	39	Ø18.1	12	13
6300R8C1005V4A	G 1"	G 3/4"	193	27	45	31	73	57	39	Ø18.1	12	13

CERTIFICATIONS

COUNTRY	CERTIFICATION	COUNTRY	CERTIFICATION
			
			

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

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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