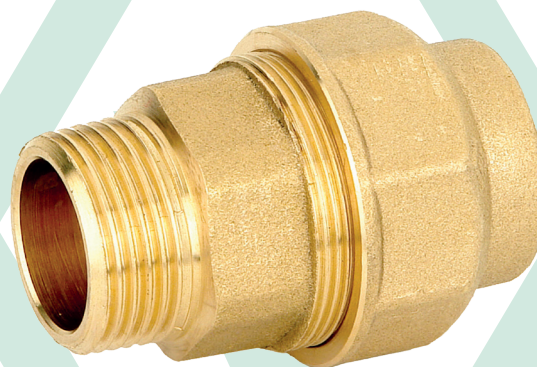




SERIES 8000

RACCORDI A COMPRESSIONE PER TUBO PE - FILETTO ISO 228/1
BRASS COMPRESSION FITTINGS FOR PE PIPE - ISO 228/1 THREAD

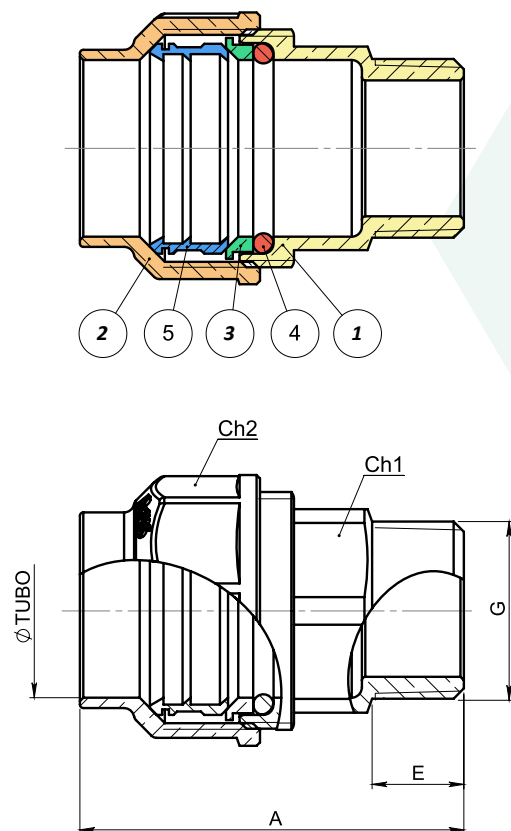
LIMITI DI TEMPERATURA: -20 °C +80 °C - LIMITI DI PRESSIONE: PN20
TEMPERATURE RATING: -20 °C +80 °C - PRESSURE RATING: PN20

8000 - 8005 - 8007 - 8015 - 8025 - 8030 - 8035 - 8037 - 8039 - 6200A

VALVOFIT

Scheda Tecnica *Technical sheet*

ART. 8000	SPECIFICATIONS		APPLICATION
	Series	8000	Assembly in rigid pipe system
Straight male coupler, Size from Ø20x1/2" to Ø63x2"	Thread ends	Pipe-Male: PE - ISO 228/1	Nominal pressure (PN) in bar:20
	Pipe Ø	from Ø20 to Ø63 mm	KV: flowrate coefficient m³/h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water



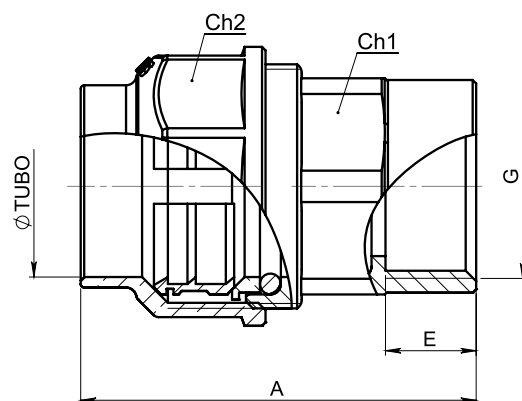
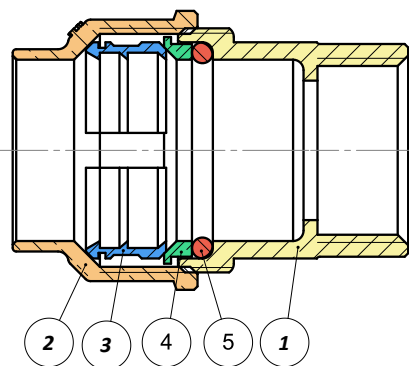
N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	1
3	Rondella	Ring	CW614N	1
4	O-Ring	O-Ring	NBR70sh	1
5	Ghiera	Compression ring	CW614N	1

Ø Tubo	G	A	E	Ch1	Ch2	PN
20	1/2"	48	11	25	31	20
25	3/4"	57	13	30	37	20
32	1"	64	14	37	46	20
40	1"1/4	73	16	45	56	20
50	1"1/2	78,5	16	56	70	20
63	2"	89	18	69	86	20

N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8000	Ø20x1/2"-Ø63x2"		

Scheda Tecnica *Technical sheet*

ART. 8005	SPECIFICATIONS		APPLICATION	
	Series	8005	Assembly in rigid pipe system	
Straight female coupler, Size from Ø20x1/2" to Ø63x2"	Thread ends	Pipe-female: PE - ISO 228/1	Nominal pressure (PN) in bar:20	
	Pipe Ø	from Ø20 to Ø63 mm	KV: flowrate coefficient m³/h	
	Orifice	-	Direction of flow: as desired	
	Operator	-	Temperature range: -20 °C / +80°C	
			Use: Water	



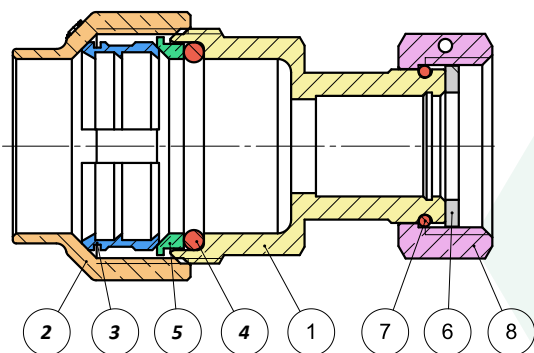
N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	1
3	Ghiera	Compression ring	CW614N	1
4	Rondella	Ring	CW614N	1
5	O-Ring	O-Ring	NBR70sh	1

Ø Tubo	G	A	E	Ch1	Ch2	PN
20	1/2"	48	11	25	31	20
25	3/4"	56,5	13	30	37	20
32	1"	64	14	37	46	20
40	1"1/4	73	16	46	56	20
50	1"1/2	78,5	16	56	70	20
63	2"	89	18	69	86	20

N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8005	Ø20x1/2"-Ø63x2"		

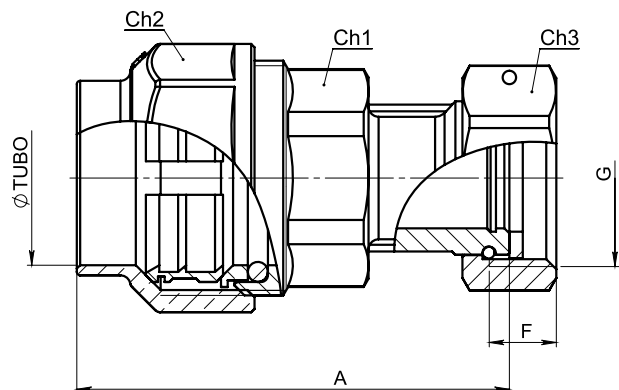
Scheda Tecnica *Technical sheet*

ART. 8007	SPECIFICATIONS		APPLICATION
	Series	8007	Assembly in rigid pipe system
Straight coupler with swivel nut, Size $\varnothing 25 \times 3/4''$	Thread ends	Pipe-Swivel nut: PE-ISO 228/1	Nominal pressure (PN) in bar:20
	Pipe $\varnothing$	$\varnothing 25$ mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water



N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	1
3	Ghiera	Compression ring	CW614N	1
4	O-Ring	O-Ring	NBR70sh	1
5	Rondella	Ring	CW614N	1
6	Guarnizione	Seal	NBR80sh	1
7	Anello elastico	Elastic ring	AISI 302	1
8	Dado	Swivel nut	CW617N	1

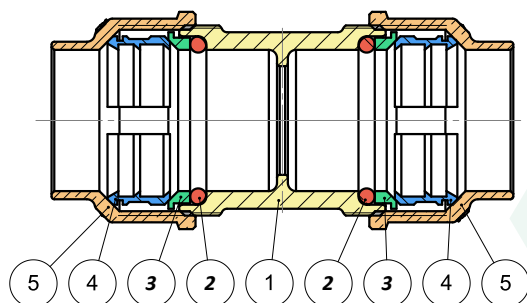
$\varnothing$ Tubo	G	A	F	Ch1	Ch2	Ch3	PN
25	3/4"	64	9	30	37	30	20



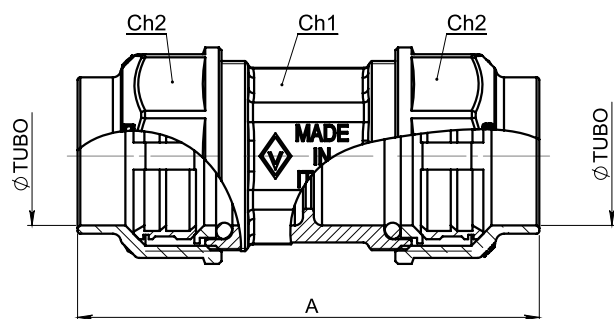
N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8007	$\varnothing 25 \times 3/4''$		

Scheda Tecnica *Technical sheet*

ART. 8015	SPECIFICATIONS		APPLICATION
	Series	8015	Assembly in rigid pipe system
Connecting coupler, Size from Ø20 to Ø63	Thread ends	Pipe-Pipe: PE-PE	Nominal pressure (PN) in bar:20
	Pipe Ø	from Ø20 to Ø63 mm	KV: flowrate coefficient m³/h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water



N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	O-Ring	O-Ring	NBR70sh	2
3	Rondella	Ring	CW614N	2
4	Ghiera	Compression ring	CW614N	2
5	Dado	Nut	CW617N	2

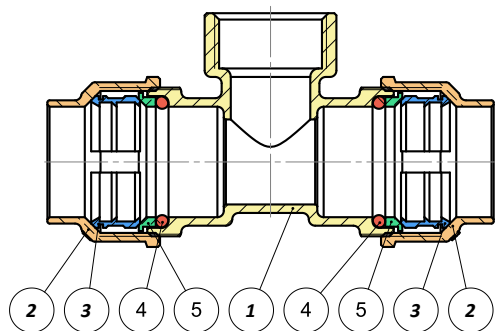


Ø Tubo	A	Ch1	Ch2	PN
20	72	25	31	20
25	86	30	37	20
32	98	37	46	20
40	112	45	56	20
50	123	56	70	20
63	139,5	69	86	20

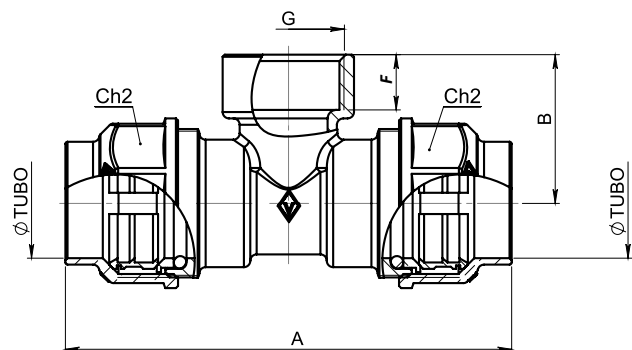
N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8015	Ø20-Ø63		

Scheda Tecnica *Technical sheet*

ART. 8025 <i>Female Tee coupler, Size from $\varnothing 20 \times 1/2''$ to $\varnothing 63 \times 2''$</i>	SPECIFICATIONS		APPLICATION
	Series	8025	Assembly in rigid pipe system
	Thread ends	Pipe-Female-Pipe: PE-ISO 228/1-PE	Nominal pressure (PN) in bar:20
	Pipe $\varnothing$	from $\varnothing 20$ to $\varnothing 63$ mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C Use: Water



N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	2
3	Ghiera	Compression ring	CW614N	2
4	O-Ring	O-Ring	NBR70sh	2
5	Rondella	Ring	CW614N	2

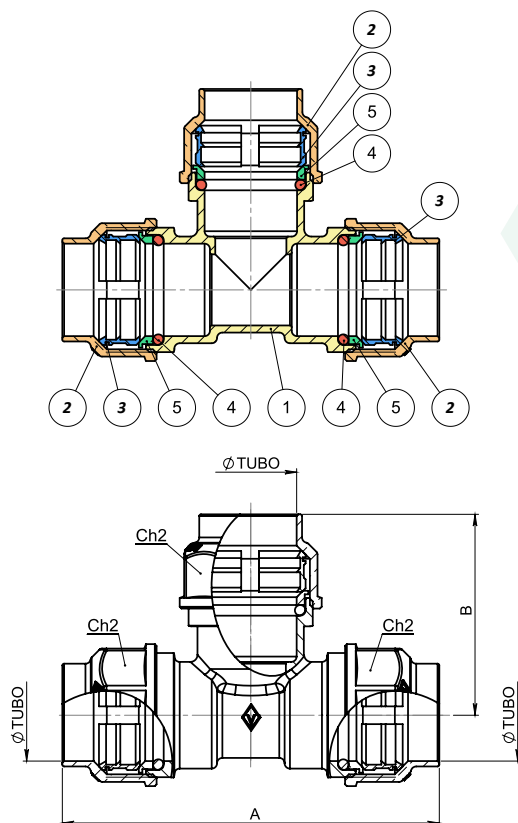


Ø Tubo	G	A	B	F	Ch2	PN
20	1/2"	88	29,5	11	31	20
25	3/4"	106	35	13	37	20
32	1"	123,5	40	14	46	20
40	1"1/4	144,5	45	15	56	20
50	1"1/2	164	52,5	16	70	20
63	2"	186,5	64	18	86	20

N° Disegno / Drawing Nr	Misure / Size		UFFICIO TECNICO
8025	$\varnothing 20 \times 1/2'' - \varnothing 63 \times 2''$		

Scheda Tecnica *Technical sheet*

ART. 8030	SPECIFICATIONS		APPLICATION
	Series	8030	Assembly in rigid pipe system
Equal Tee coupler, Size from Ø20 to Ø63	Thread ends	Pipe-Pipe-Pipe: PE-PE-PE	Nominal pressure (PN) in bar:20
	Pipe Ø	from Ø20 to Ø63 mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water



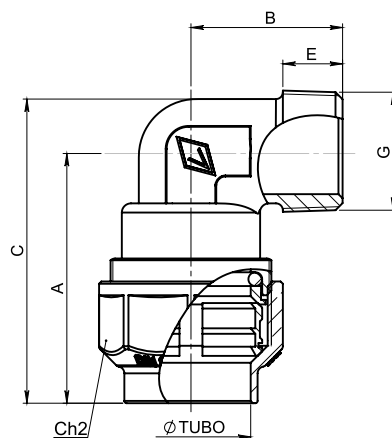
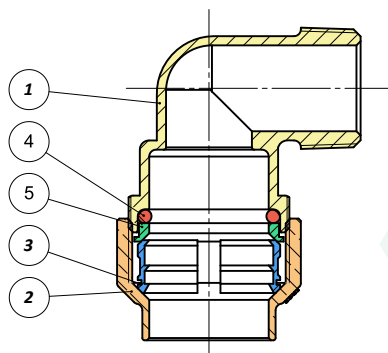
N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	3
3	Ghiera	Compression ring	CW614N	3
4	O-Ring	O-Ring	NBR70sh	3
5	Rondella	Ring	CW614N	3

Ø Tubo	A	B	Ch2	PN
20	88	47,5	31	20
25	107	56,5	37	20
32	124	66,5	46	20
40	146	77,5	56	20
50	165	88,5	70	20
63	191,5	104	86	20

N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8030	Ø20x20x20-Ø63x63x63		

Scheda Tecnica *Technical sheet*

ART. 8035	SPECIFICATIONS		APPLICATION
	Series	8035	Assembly in rigid pipe system
Male elbow, Size from $\varnothing 20 \times 1/2''$ to $\varnothing 63 \times 2''$	Thread ends	Pipe-Male: PE- ISO 228/1	Nominal pressure (PN) in bar:20
	Pipe $\varnothing$	from $\varnothing 20$ to $\varnothing 63$ mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water



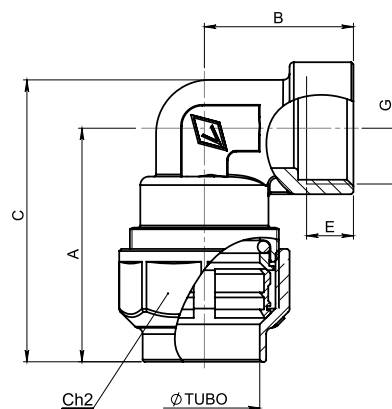
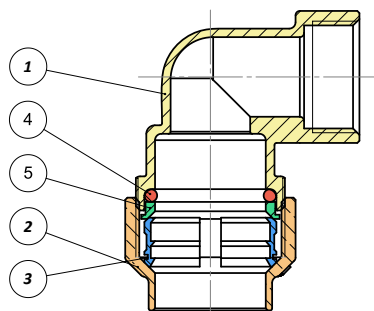
N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	1
3	Ghiera	Compression ring	CW614N	1
4	O-Ring	O-Ring	NBR70sh	1
5	Rondella	Ring	CW614N	1

Ø Tubo	G	A	B	C	E	Ch2	PN
20	1/2"	46,5	28	56	11	31	20
25	3/4"	55	33	66,5	13	37	20
32	1"	64	39	78	14	46	20
40	1"1/4	74	46	91,5	16	56	20
50	1"1/2	84	53	106	16	70	20
63	2"	96	63	121	18	86	20

N° Disegno / Drawing Nr	Misure / Size		UFFICIO TECNICO
8035	$\varnothing 20 \times 1/2'' - \varnothing 63 \times 2''$		

Scheda Tecnica *Technical sheet*

ART. 8037	SPECIFICATIONS		APPLICATION
	Series	8037	Assembly in rigid pipe system
Female elbow, Size from $\varnothing 20 \times 1/2''$ to $\varnothing 63 \times 2''$	Thread ends	Pipe-Female: PE-ISO 228/1	Nominal pressure (PN) in bar:20
	Pipe $\varnothing$	from $\varnothing 20$ to $\varnothing 63$ mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80°C
			Use: Water

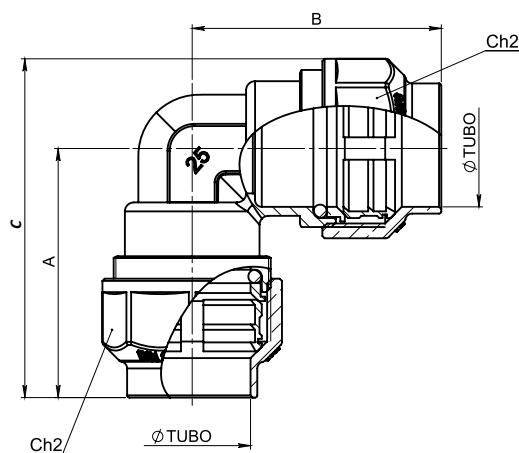
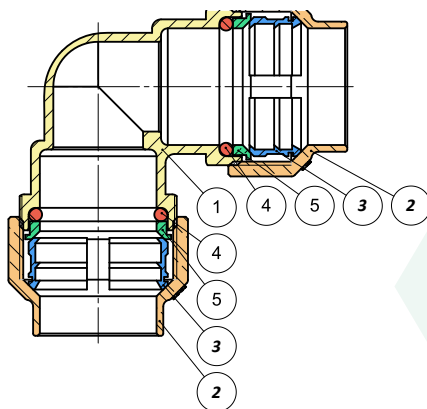


N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	1
3	Ghiera	Compression ring	CW614N	1
4	O-Ring	O-Ring	NBR70sh	1
5	Rondella	Ring	CW614N	1

Ø Tubo	G	A	B	C	E	Ch2	PN
20	1/2"	46,5	30	56	11	31	20
25	3/4"	55	35	66,5	13	37	20
32	1"	64	41	78	14	46	20
40	1" 1/4	74	47	91,5	15	56	20
50	1" 1/2	84	55	106	16	70	20
63	2"	96	66	121	18	86	20

Scheda Tecnica *Technical sheet*

ART. 8039	SPECIFICATIONS		APPLICATION
	Series	8039	Assembly in rigid pipe system
Connecting elbow, Size from $\varnothing 20$ to $\varnothing 63$	Thread ends	Pipe-Pipe: PE-PE	Nominal pressure (PN) in bar: 20
	Pipe $\varnothing$	from $\varnothing 20$ to $\varnothing 63$ mm	KV: flowrate coefficient m ³ /h
	Orifice	-	Direction of flow: as desired
	Operator	-	Temperature range: -20 °C / +80 °C
			Use: Water



N°	Descrizione	Description	Materials	Q.ty
1	Corpo raccordo	Body coupler	CW617N	1
2	Dado	Nut	CW617N	2
3	Ghiera	Compression ring	CW614N	2
4	O-Ring	O-Ring	NBR70sh	2
5	Rondella	Ring	CW614N	2

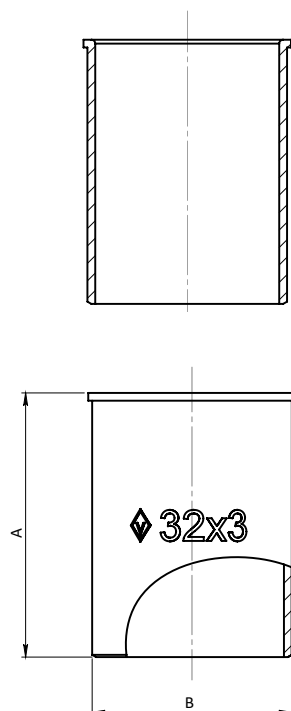
$\varnothing$ Tubo	A	B	C	Ch2	PN
20	46,5	46,5	63,5	31	20
25	55,5	55,5	75,5	37	20
32	65,5	65,5	90	46	20
40	76,5	76,5	106,5	56	20
50	87	87	124	70	20
63	103	103	148	86	20

N° Disegno / Drawing Nr	Misure / Size	BUGATTI HIGH QUALITY VALVES	UFFICIO TECNICO
8039	$\varnothing 20$ - $\varnothing 63$		

Scheda Tecnica *Technical sheet*

ART. 6200A	SPECIFICATIONS		APPLICATION	TECHNICAL NOTES
	Series	6200A	Assembly in rigid pipe system	Made in compliance with the management requirements of the EN ISO 9001 standard
	Thread ends	-	Nominal pressure (PN) in bar:20	
	Orifice	from Ø20 to Ø63 mm	KV: flowrate coefficient m ³ /h	Conformity with DIN 8076 - EN 1254/3 - DVGW GW 335 UBA BWGL - UNI EN 681-1 and EN 682
			Direction of flow: as desired	
<i>Insert for water PE pipes UNI 10910. Size from Ø20x2 to Ø63x5,8</i>	Technical additions	-	Temperature range: -20 °C / +80°C	2 YEARS warranty
			Use: Water	Manufactured in brass alloy compliant with EN 12165-CW617N-DW

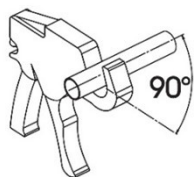
N°	Descrizione	Description	Materials	Q.ty
1	Bussola interna	Insert	CW614N	1



Ø Tubo	Pipe thickness	A	B
20	2	25	16
25	2,3	30	20
32	3	34	25,5
40	3,7	40	32
50	4,6	45	41
63	5,8	53	50,5

ISTRUZIONI PER IL CORRETTO MONTAGGIO

Per ottenere una perfetta giunzione raccordo/tubo si devono eseguire alcune semplici ma importanti operazioni:

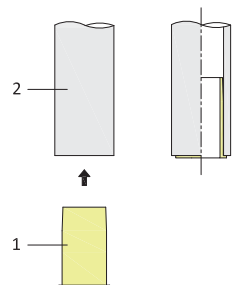


Taglio del tubo e sbavatura:

Il taglio del tubo deve essere eseguito perpendicolare all'asse dello stesso. Evitare assolutamente l'utilizzo di seghetti o mole a disco che potrebbero deformare il tubo.

Utensili consigliati: Fino a Ø 32 mm **Art. 5400**

Sbavare il tubo internamente e soprattutto esternamente per eliminare eventuali trucioli residui e spigoli particolarmente accentuati. Utilizzare utensili idonei.



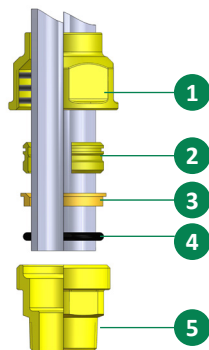
Inserimento della bussola di rinforzo nel tubo:

Inserire la bussola di rinforzo (**1**) **Art. 6200A** nell'estremità del tubo (**2**), fino in battuta. Verificare che la bussola sia compatibile con le dimensioni del tubo (Ø esterno x spessore della parete del tubo). Tale operazione è **obbligatoria** per i campi di applicazione con **acqua calda**.

Connessione del tubo sul raccordo: Non è indispensabile smontare il dado per una corretta installazione del raccordo sul tubo (in questo caso è molto importante che il tubo sia correttamente sbavato esternamente, in modo tale da non danneggiare l'o-ring di tenuta).

Nel caso si proceda con lo smontaggio del dado, calzare sul tubo tutti i componenti del raccordo, nell'ordine:

- dado (**1**)
- ogiva stringi tubo (**2**)
- premi-guarnizione (**3**)
- o-ring di tenuta (**4**)



Serraggio del dado: L'operazione è facilitata se l'ogiva e l'anello premi-guarnizione vengono lubrificati con olio al silicone o acqua. Per applicazioni uso distribuzione sanitaria, accertarsi che l'olio siliconico impiegato sia idoneo per applicazione alimentare.

L'impiego di un lubrificante diverso può danneggiare le tenute del raccordo. Accertarsi che l'olio impiegato sia compatibile con i materiali di costruzione del raccordo. Avvitare, per quanto consentito a mano, il dado (**1**) sul corpo (**5**) e successivamente con l'aiuto di una chiave, rispettando i giri di serraggio indicati nella tabella:

Ø est. tubo (mm)	20	25	32	40	50	63
n° giri (min - max)	1 - 1,5	1 - 1,5	1 - 1,5	1,5 - 2	1,5 - 2	1,5 - 2

* Il valore min. è riferito al tubo con la presenza della bussola di rinforzo.

IMPORTANTE: L'esecuzione non corretta delle operazioni indicate può compromettere la tenuta della giunzione.

È VIETATO:

- L'utilizzo di sostanze non compatibili oppure dannose.
- L'installazione sottotraccia dei raccordi.
- Il collegamento diretto del tubo in materiale plastico a caldaie, bollitori, scaldacqua ed a tutte le fonti di calore: si consiglia di impiegare per un tratto di almeno un metro una giunzione con tubo metallico per preservare il tubo in materiale plastico da malfunzionamento dei generatori di calore.

ALCUNE POSSIBILI CAUSE DI PERDITA:

- Serraggio non corretto del dado sul raccordo (rispettare le indicazioni del numero di giri di serraggio fornite da VALVOSANITARIA BUGATTI GROUP).
- Forza eccessiva durante l'operazione di serraggio del dado.
- Presenza di scalfitture esterne sulla tubazione.
- Collegamento con altri prodotti non compatibili.
- Fluidi non compatibili.
- Uso eccessivo di sigillanti (es. canapa, nastro PTFE ecc...) sui filetti maschio/femmina, potrebbero generare tensioni nei raccordi.
- Congelamento dell'impianto o eccessive pressioni interne.
- Stoccaggio di materiali in ambienti non idonei.
- Cause esterne non prevedibili, come urti accidentali o movimentazioni non idonee.

VALVOSANITARIA BUGATTI GROUP s.r.l. declina ogni responsabilità in caso guasti e/o incidenti derivanti dalla inosservanza delle presenti indicazioni e da un uso improprio del sistema. Le informazioni riportate non esentano l'utente dal seguire scrupolosamente le normative e le norme di buona tecnica in vigore.

ACCESSORI



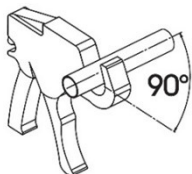
ART. 6200A

Bussola di rinforzo.

Idonea per applicazione con acqua calda

INSTRUCTIONS FOR CORRECT ASSEMBLY

To obtain a perfect join between fitting/pipe some simple but important operations must be carried out:

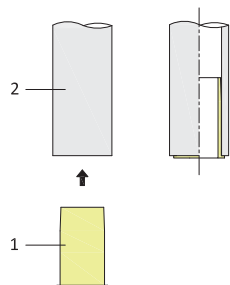


Pipe cutting and deburring:

The pipe must be cut perpendicular to its axis.

The use of hacksaws or angle grinders must be avoided as they could deform the pipe. Recommended tools: Up to Ø 32 mm **Art. 5400**

Deburr the pipe internally and especially externally to eliminate any residual chips and particularly accentuated edges. Use appropriate tools.



Inserting the reinforcement bushing into the pipe:

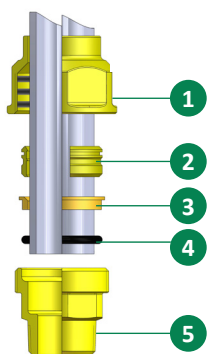
Insert the reinforcement bushing (1) **Art. 6200A** into the end of the pipe (2), up to the stop. Check that the bushing is compatible with the dimensions of the pipe (external Ø x thickness of the pipe wall). This is **mandatory** for the fields of application with **hot water**.

Connecting the pipe to the fitting:

It is not essential to disassemble the nut for a correct installation of the fitting on the pipe (in this case it is very important that the pipe be deburred correctly on the external side so as not to damage the sealing o-ring).

When disassembling the nut, slide onto the pipe all of the fitting components in the following order:

- nut (1)
- pipe clamp ferrule (2)
- seal-press (3)
- O-ring seal (4)



Tightening the nut: This operation is easier if the ferrule and the seal-press ring are lubricated with silicone oil or water. For domestic water distribution applications, make sure that the silicone oil used is suitable for food application.

The use of a different lubricant could damage the fitting's seals. Make sure that the oil used is compatible with the construction materials of the fitting.

Tighten the nut (1) onto the body (5) as far as possible by hand and then with the help of a wrench, respecting the tightening turns shown in the table:

Ø ext. pipe (mm)	20	25	32	40	50	63
n° turns (min - max)	1 - 1,5	1 - 1,5	1 - 1,5	1,5 - 2	1,5 - 2	1,5 - 2

* The min. value refers to the pipe with reinforcing bushing.

IMPORTANT: Carrying out the following operations incorrectly, may compromise the tightness of the joint.

NEVER:

- Use incompatible or harmful substances.
- Use these fittings for chased installation.
- Connect plastic pipe directly to boilers, water heaters or any other source of heat: we recommended using a joint with a metal pipe for a length of at least one metre to protect the plastic pipe from any malfunction of heat generators.

SOME POSSIBLE CAUSES OF LEAKS:

- Incorrect tightening of the nut onto the fitting (comply with the indications provided by VALVOSANITARIA BUGATTI GROUP on the number of tightening turns).
- Excessive force used when tightening the nut.
- Presence of external scratches on the pipe.
- Connection with other incompatible products.
- Incompatible fluids.
- Excessive use of sealants (e.g. hemp, PTFE tape etc...) on male/female threads could generate tension in the fittings.
- Freezing of the system or excessive internal pressure.
- Storage of materials in unsuitable environments.
- Unpredictable external causes, such as accidental impacts or inappropriate movements.

VALVOSANITARIA BUGATTI GROUP S.r.l. will accept no responsibility for breakages and/or accidents resulting from failure to comply with these indications and from improper use of the system. The information shown does not exempt the user from scrupulously following current regulations and good technical standards.

ACCESSORIES



ART. 6200A

Reinforcement bushing.

Suitable for application with hot water



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