

PVC-U BALL VALVE (FOR SWIMMING POOL, WATERING)



- Size :** DN 15 to 65
Ends : Female / Female BSP or glued ends
Min Temperature : + 0°C
Max Temperature : + 60°C
Max Pressure : 16 Bars (10 bars for threaded type)
Specifications : 3 pieces type
Double EPDM o ring
Full bore for Ref.MXT-584PVC000
(excepted for DN 3")
Materials : PVC-U

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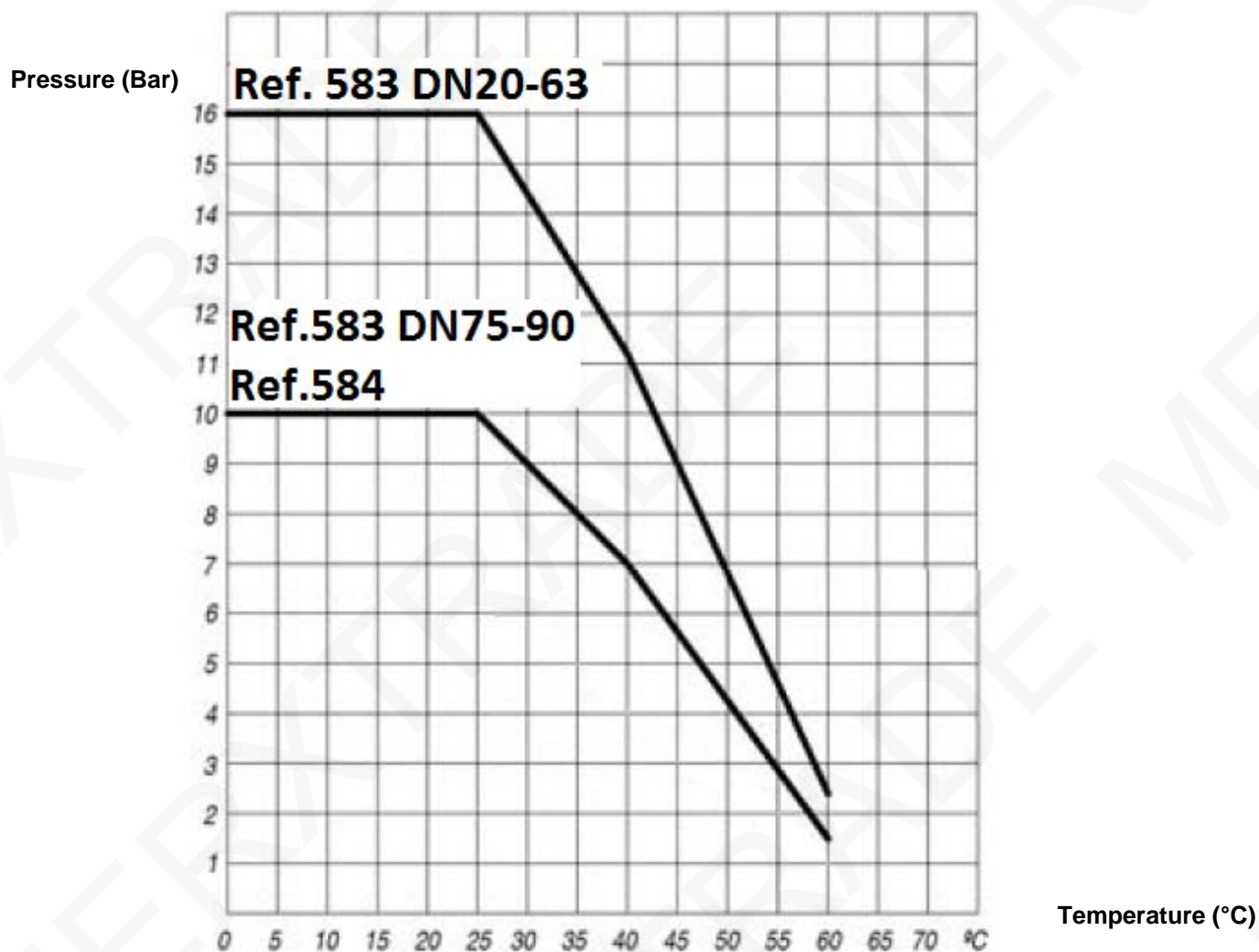
SPECIFICATIONS :

- Respect the flow direction indicated by the arrow
- 3 pieces type
- Double EPDM o ring
- Anti blow-out stem
- Full bore for Ref.MXT-584PVC000 (excepted for DN3")
- PP handle

USE :

- Watering, water distribution, swimming pool
- Δp maxi : 3 bars
- Min Temperature Ts : + 0 °C
- Max Temperature Ts : + 60°C
- Max Pressure Ps : 16 bars up to DN 63, 10 bars over for valve with glued ends Ref. 583 (see graph under)
- Max Pressure Ps : 10 bars for valve with threaded ends Ref.584 (see graph under)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

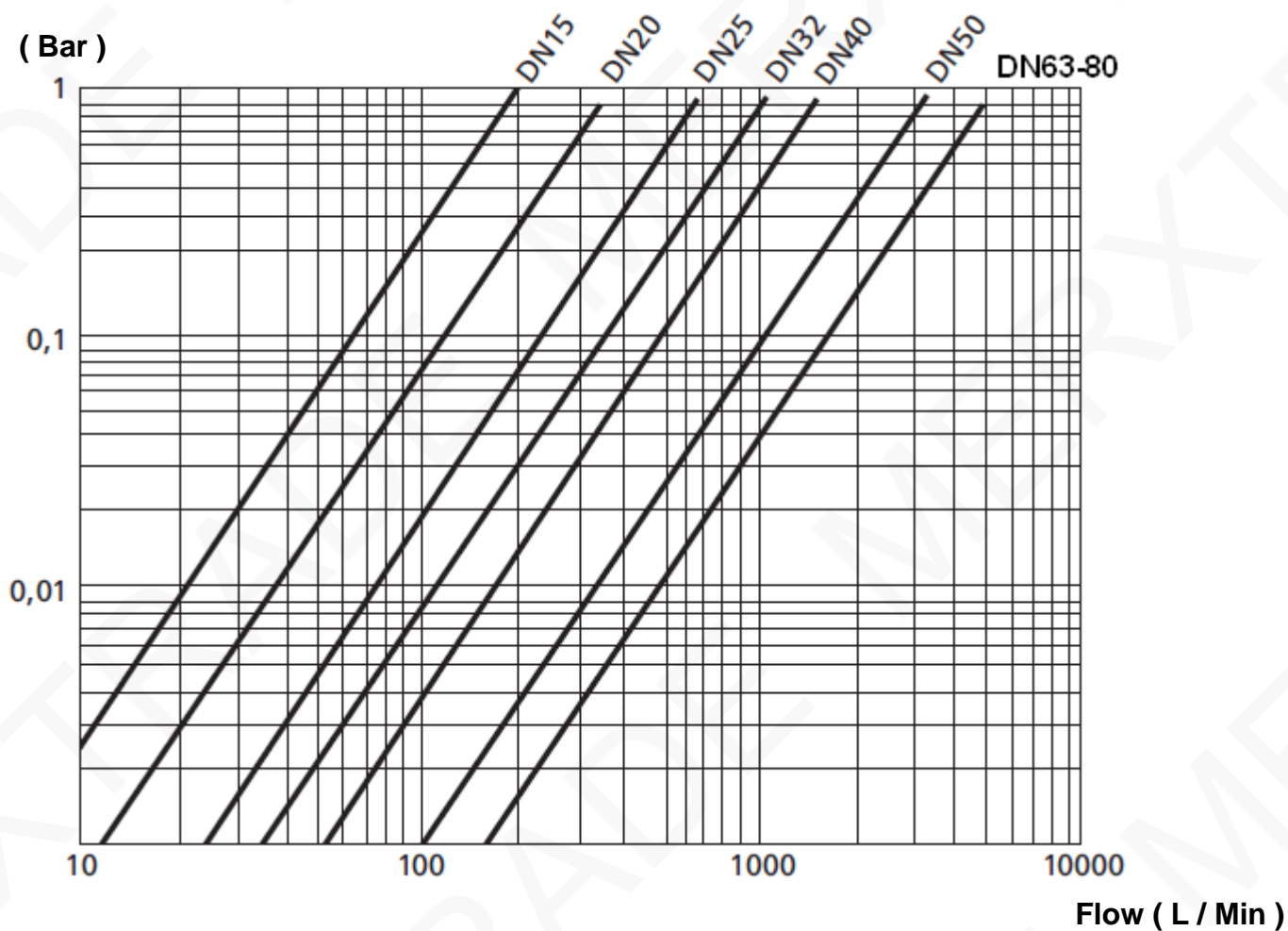


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RANGE :

- With glued ends **Ref. MXT-583PVC000** from DN15/20 to 65/90
- With Female / Female threaded BSP ends **Ref. MXT-584PVC000** from DN 1/2" to 3"

HEAD LOSS GRAPH :

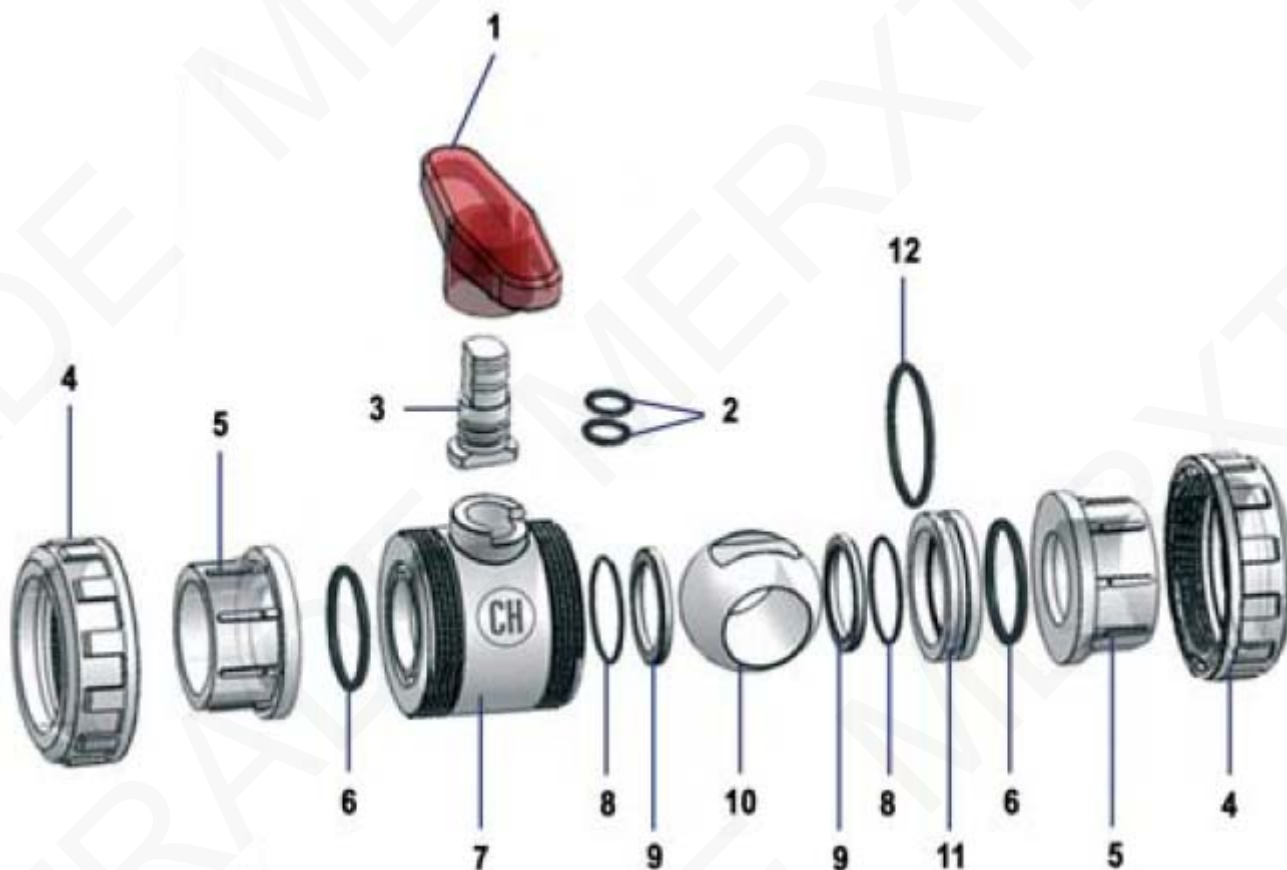


TORQUE VALUES (in Nm without safety coefficient) :

DN Ref.583	15/20	20/25	25/32	32/40	40/50	50/63	63/75	63/90
DN Ref.584	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Torque (Nm)	3	3	6	7	12	18	40	45

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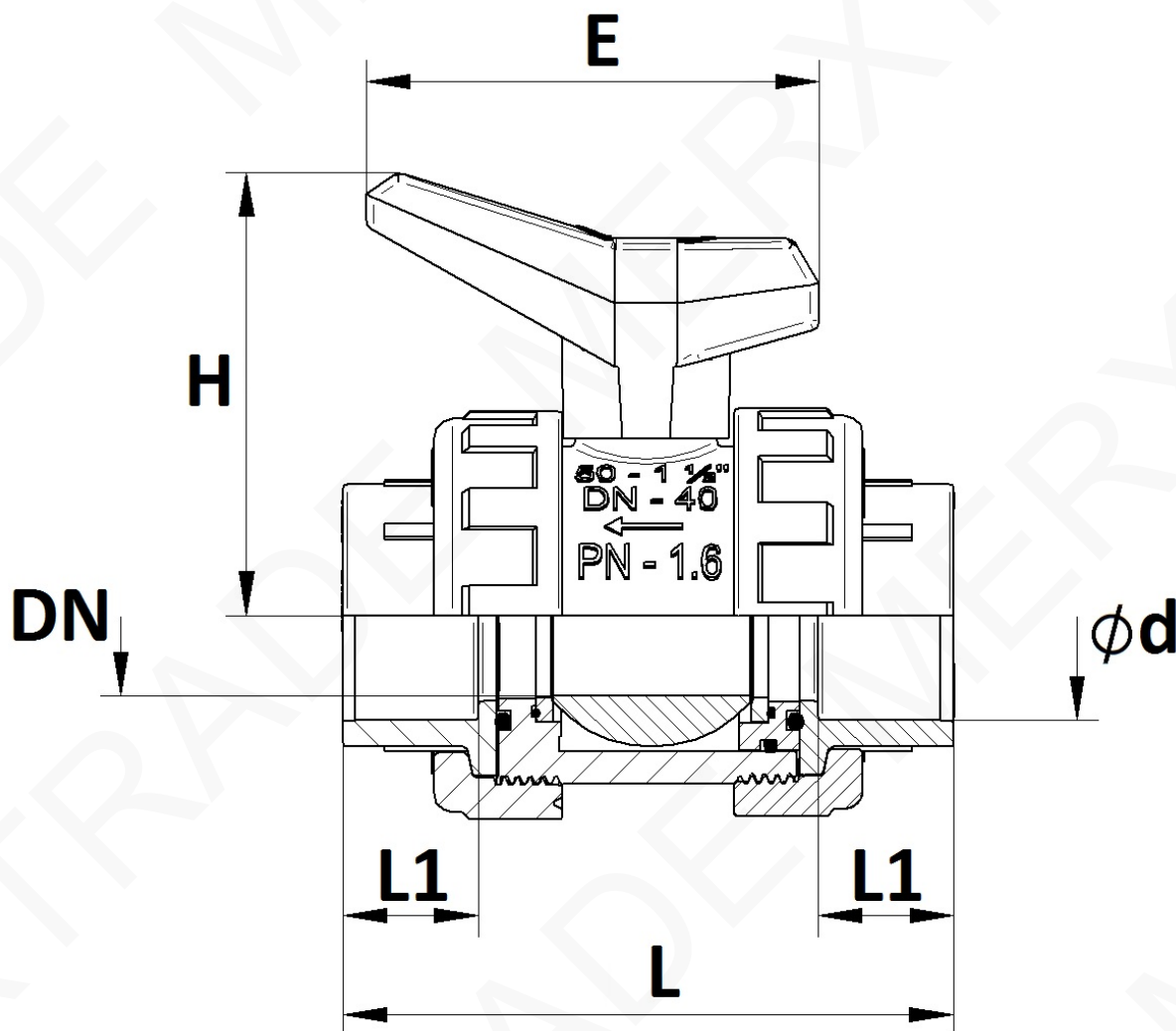
MATERIALS :



Item	Designation	Materials
1	Handle	PP
2	Stem o ring	EPDM
3	Stem	PVC-U
4	Nut	PVC-U
5	Nipple	PVC-U
6	Body gasket	EPDM
7	Body	PVC-U
8	Closing gasket	EPDM
9	Ball gasket	HDPE
10	Ball	PVC-U
11	Ring	PVC-U
12	Ring gasket	EPDM

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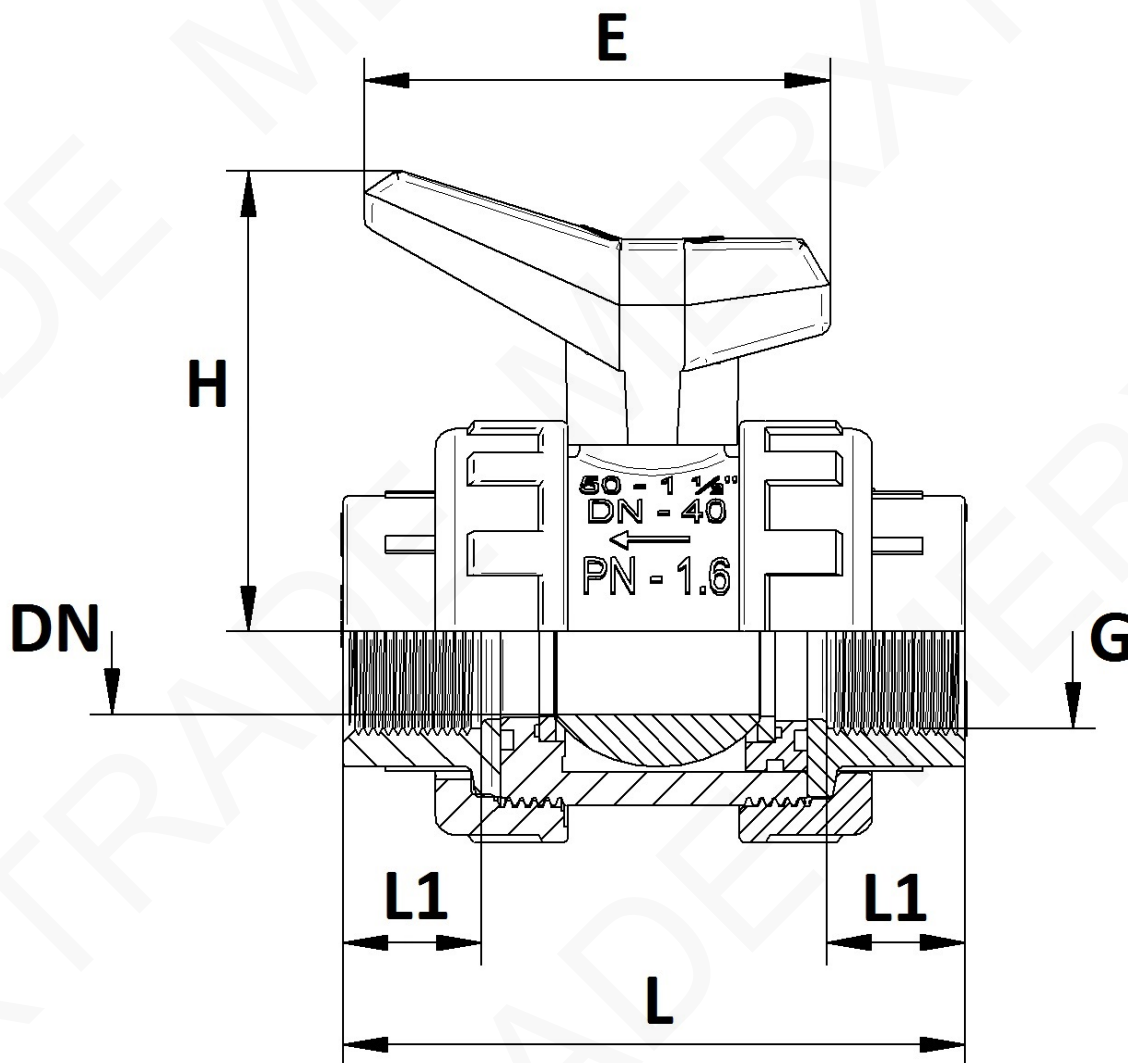
SIZE GLUED ENDS TYPE 583 (in mm) :



Ref.	DN	15	20	25	32	40	50	65	65
583	ϕd	20	25	32	40	50	63	75	90
	L	95	102	115	130	144	166	224	232
	L1	16	19	22	26	31	38	44	51
	E	61	61	82	82	110	110	152	152
	H	55	58	77	81	107	113	152	152
	Weight (Kg)	0.15	0.2	0.3	0.46	0.75	1.05	2.5	2.47
	Ref.	583020	583025	583032	583040	583050	583063	583075	583090

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SIZE THREADED ENDS TYPE 584 (in mm) :



Ref.	DN	15	20	25	32	40	50	65	65
584	G	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
	L	95	102	115	130	144	166	224	232
	L1	16	19	22	26	31	38	44	51
	E	61	61	82	82	110	110	152	152
	H	55	58	77	81	107	113	152	152
	Weight (Kg)	0.15	0.2	0.3	0.42	0.76	1.1	2.5	2.53
	Ref.	584004	584005	584006	584007	584008	584009	584010	584011

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STANDARDS :

- Fabrication according to ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- Size according to **EN 1452**
- Test according to **UNE EN 917**
- Threaded cylindrical female BSP ends according to ISO 228-1

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

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INSTALLATION INSTRUCTIONS

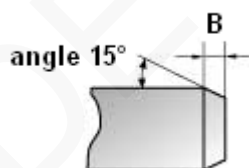
- . Before installing the valves, clean and remove any objects from the pipes (in particular bits of sealing and metal) which could obstruct and block the valves.
- . Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they are not the valves may not work correctly).
- . Make sure that the two sections of the pipe (upstream and downstream) match , the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture.
- . If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.
- . The theoretical lengths given by ISO/R7 for the tapping are typically longer than required, the length of the thread should be limited use PTFE tape to ensure the tightness of the fixing, and check that the end of the tube does not press right up to the head of the thread.
- . Position the pipe clips on both sides of the valve.
- . Never use a vice to tighten the fixings of the valve.
- . Use a spanner to tight the nuts of the valve. Valve nuts have to be tighted by hand onto the body and never use a metal tool. If the tightness isn't good enough, then lubricate the threads with Vaseline grease or silicone oil to achieve the required tight.
- . This valves are not prepared to work with gas and air.
- . Install the ball valve so that the arrow marked in the body indicate the same direction of the flow. Only so, can be dismantled the side of the valve without pressure when it is closed.
- . Before the two valve end connections are solvent cemented, the valve has to be dismantled, to prevent that adhesive remains reach the valve's inside, damaging it

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INSTRUCTIONS FOR SOLVENT CEMENT JOINTING :



- Pipe must be cut off at right angles..



- Chamfer the tube end in form and size as illustrated :

Ø external tube	B (mm)
6 - 16 mm	1 - 2
20 - 50 mm	2 - 4
63 - 90 mm	4 - 6



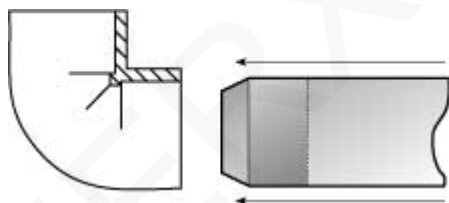
- Mark the solvent cement position and clean the outside of the pipe and the inside of the socket with an absorbent paper.
- The cleaned surface should have a matt finish. Do not touch the clean surface.



- Check the correct consistency of the cement, it must run evenly from a wooden spatula held at a slant, like a thickened oil. Never use cement with grums or if it can not smoothly run.



- Apply the cement to the pipe and to the fitting socket in an axial direction. Use a brush.



- Joint pipe and fitting without turning and before 1 minute from the cement application.
- Remove the surplus cement.
- The drying time depends of the ambient temperature.
- Here are the values by 20°C temperature :

Ø external tube	Drying time
6 - 63 mm	1 hour per bar
75 - 90 mm	2 hours per bar