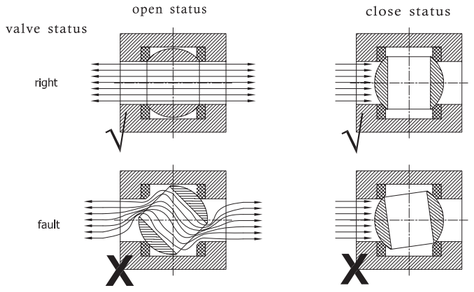
Step5:the Spanner or wrench should be placed on the right positions before assembly,with pipe secure,rotate valve,grip on flats next to joint being made.

Step6：Assemble pipe into valve to hand tight then tighten by the spanner or wrench,see the following recommendation installation torque:

DN	8	10	15	20	25	32	40	50	65	80	100
Size	1/4"	3/8"	1/2"	3/4"	1"	11/4"	11/2"	2"	21/2"	3"	4"
max Installation torque(N.m)	20	35	75	100	125	160	200	250	300	370	465
Torque tolerance:0~+10%											



More attention:

Always use the flats on the hexagon at the end being fitted to the pipe

Always use a correctly sized spanner or wrench on the flats provided.

Do not grip aroud the valve body joint.

Never drive torque through the main body joint during assembly。

VALVE EXPERT
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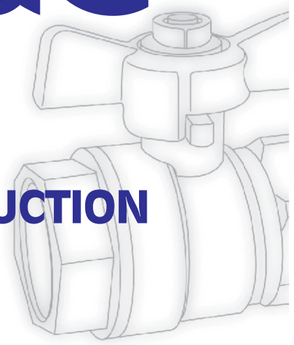


INSTRUCTION

Installation preparation

*Ensure valve is suitable for service conditions,e.g. pressure,temperature,service media

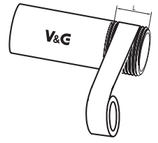
*Remove any dust caps/flange protectors,where fitted,and ensure any packing materials are clear.

*For the detail information of installation reference,please refer the following steps.

Threaded brass ball valve

Step1. Ensure that the ends pipe is well defined and without scraps.

Steps2: the thread with use of a thread sealant will give a pressure tight seal.



Step3:The connection pipes must be placed on the same axis and should be positioned straight.These must be carefully aligned and the correct distance between centres for the size and type of pipe.

Step4:The pipes must be sustained as to avoid bending,length of the thread must be followed with table 1

table 1 (unit:mm)

	normal	max	min
1/2	13.2	15	11.4
3/4	14.5	16.3	12.7
1	16.8	19.1	14.5
1 1/4	19.1	21.4	16.8
1 1/2	19.1	21.4	16.8
2	23.4	25.7	21.1