

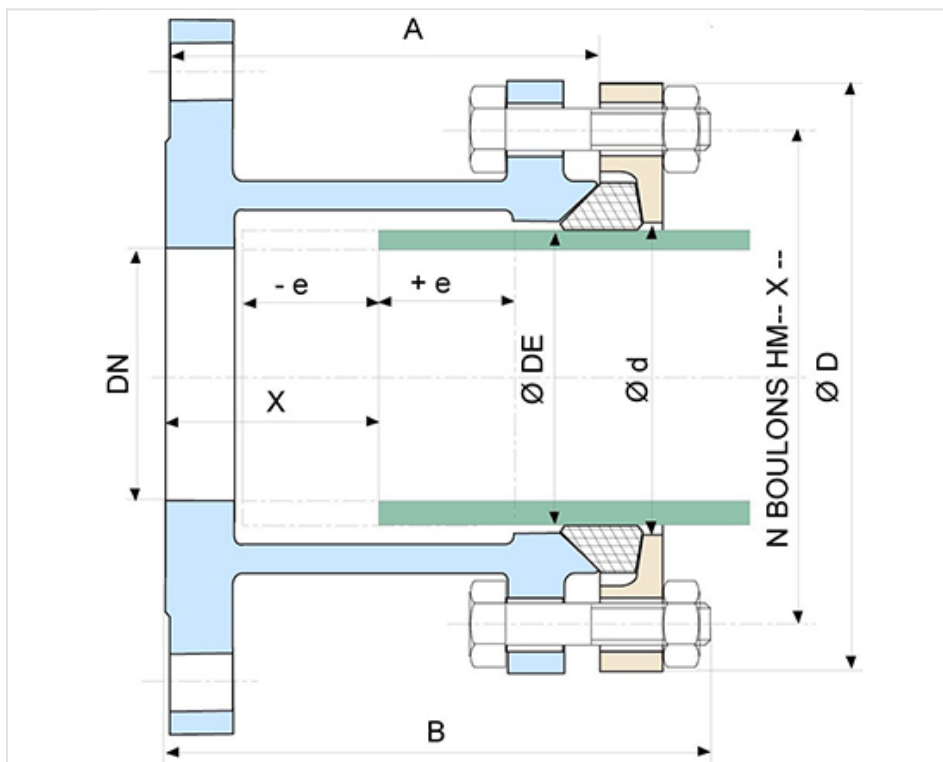
QUICK GS PFA25 DN50-2000 - Reinforced version



DN flange (mm)	ØDE (mm)	ØDE mini (mm)	ØDE maxi (mm)	DE tolerance (mm)	A (mm)	B (mm)	D (mm)	X (mm)	d (mm)	Bolts	Number	Mass (kg)	References
50	66	64	67	+1/-2	140	180	651	70	70	M16x60	4	8.00	*
65	77	75	78	+1/-2	140	180	185	70	86	M16x60	4	11.00	*
80	98	96	99	+1/-2	140	180	200	70	102	M16x70	4	12.00	166664
100	118	115.5	119	+1/-2.5	140	180	220	70	123	M16x70	4	16.00	163866
125	144	141.5	145	+1/-2.5	150	190	250	70	149	M16x70	4	20.00	*
150	170	167.5	171	+1/-2.5	150	190	285	70	175	M16x70	4	25.00	163890
200	222	219.5	223	+1/-2.5	150	200	340	75	227	M16x80	6	34.00	163908
250	274	269	276	+2/-5	180	235	385	90	280	M16x80	6	52.00	163928
300	326	321	328	+2/-5	200	255	460	100	332	M20x90	8	64.00	163948
350	378	373	380	+2/-5	200	255	510	100	384	M20x90	8	100.00	163976
400	429	424	431	+2/-5	200	255	575	100	435	M20x90	8	100.00	163994
450	480	475	482	+2/-5	200	255	625	105	486	M20x90	10	112.00	*
500	532	527	534	+2/-5	200	275	675	105	538	M20x110	10	132.00	*
600	635	629	638	+3/-6	200	275	790	105	643	M24x110	10	181.00	*
700	738	732	741	+3/-6	200	275	890	105	746	M24x110	12	220.00	*
800	842	835	844	+2/-7	200	275	1010	105	850	M24x110	12	276.00	*
900	945	938	947	+2/-7	230	300	1110	120	953	M24x110	14	330.00	*
1000	1048	1041	1050	+2/-7	300	365	1215	110	1056	M24x110	14	400.00	*
1100	1151	1144	1153	+2/-7	300	365	1310	110	1160	M24x110	16	595.00	*

DN flange (mm)	ØDE (mm)	ØDE mini (mm)	ØDE maxi (mm)	DE tolerance (mm)	A (mm)	B (mm)	D (mm)	X (mm)	d (mm)	Bolts	Number	Mass (kg)	References
1200	1255	1047.5	1258	+3/-7.5	300	380	1445	115	1265	M27x120	16	698.00	*
1400	1462	1454.5	1465	+3/-7.5	400	480	1680	130	1472	M27x120	18	937.00	*
1500	1565	1557	1567.5	+2.5/-8	400	480	1750	135	1576	M27x120	18	1098.00	*
1600	1668	1660	1670.5	+2.5/-8	400	480	1890	135	1680	M27x120	20	1173.00	*
1800	1875	1866.5	1877	+2/-8.5	420	500	2115	145	1885	M30x130	22	1490.00	*
2000	2082	2072.5	2083	+1/-9.5	420	500	2300	150	2092	M30x130	24	2166.00	*

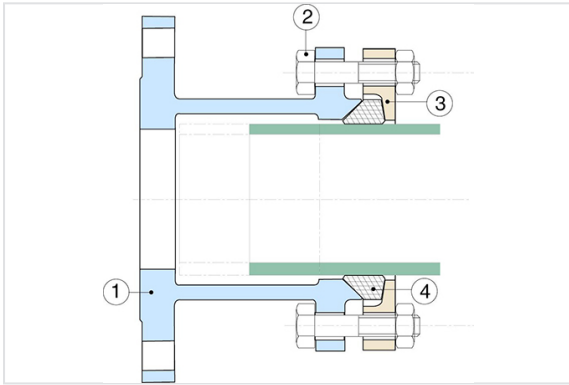
(*) contact us



Installation

- DE margin for assembly pipe: see table Dimensions DE ± (margin for not ovalized pipe). Check that the pipe, to input in the Quick, is not ovalized more than 3mm and that the DE dimension with ovalization is not out of the margin. If not it is necessary to proceed re-rounding pipe (see catalogue WATER MAINS for DUCTILE IRON PIPES and FITTINGS)
- Possible adjustment: dimension X ± e (50mm DN 300-2000)
- Angular deflection in degree + or - 2 degrees
- Flanges: dimensions in conformity with ISO 7005-2, ISO 2531, EN 1092-2.

Assembly and start up



Description

The flange adaptor type PV allows the connection between a flange and a spigot

An adjustment of the pipe length is possible in the adjustment area ($\pm e$).

During the fitment of the pipe (measurement X) in central position the flange adaptor enables an angle of 4°.

Transport

The transport of the pieces must be done professionally in order to avoid damages on the material.

Storing

The flange adaptors must be protected from bad weather and pollution. During a long storage period a protection against UV is necessary.

Assembling in the pipe network

It is necessary to control that the flanges to be connected are clean and not damaged. The pipe to be connected must be perfectly round.

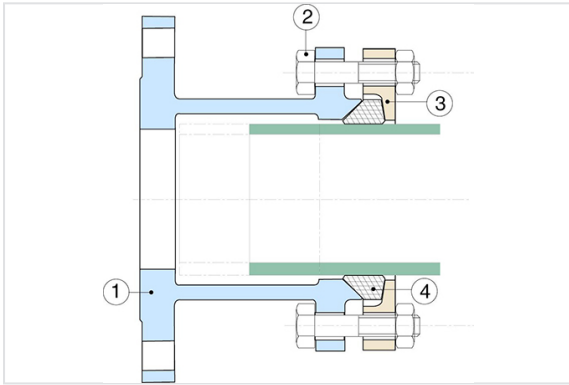
Assembly

- Implementation of the connection (screws and flat tightening seals to be supplied on site).
- Unscrew the nuts (2) and remove the counterflange (3) and the tightening seal (4).
- Write the measurement X on the spigot of the pipe.
- Slide the counterflange (3) and the tightening seal (4) on the spigot of the pipe.
- Slide the pipe right into the flange adaptor. If possible it would be necessary to make the assembly in average position.
- Slide the tightening seal (4) and the counterflange (3) against the body (1).
- Connect the body (1) and the counterflange (3) with the nuts (2) tightening them in cross.
- The flange adaptor is then ready for operation.

DN mm	Type PV PN10 Measurement X (mm)	Type PV PN16 Measurement X (mm)	Type PV PN25 Measurement X (mm)	Adjustment $\pm e$ mm
80	70	70	75	40
100	70	70	75	40
125	70	70	75	40
150	70	70	75	40
200	70	70	75	40
250	90	90	90	50
300	90	90	110	50
350	90	90	105	50
400	90	90	105	50
450	90	90	105	50
500	90	90	105	50
600	80	90	100	50
700	80	90	100	50
800	90	90	130	50
900	90	170	115	50
1000	170	180	180	50
1200	170	180	170	50
1400	160	220	260	50
1600	150	210	260	50
1800	180	240	260	50
2000	180	240	260	50

Tightening torque	
Nuts	Nm
M16	55 \pm 4
M20	110 \pm 10
M24	190 \pm 10
M27	280 \pm 15
M30	380 \pm 20

Material and coatings



Item	Description	Material	Coating
1	Body	Steel EN 10025 S235JRG2	Epoxy mini 300 microns
2	Bolts, Washers	Steel EN 10025 S235JRG2 or S335J2G3 Class 6/8	Hot dipped galvanized 40μ
3	Flange Ring	Steel EN 10025 S235JRG2	Epoxy mini 300 microns
4	Sealing Ring	Elastomer type EPDM	

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