09/06/2026
VCAFA21QKS200

QUICK GS PFA25 DN50-2000

DN flange (mm)	ØDE (mm)	ØDE mini (mm)	ØDE maxi (mm)	DE tolerance (mm)	A (mm)	B (mm)	D (mm)	X (mm)	d (mm)	Number of bolts	Bolts	Mass (kg)	References
50	66	64	67	+1/-2	140	180	165	70	70	4	M16x60	8.00	177016
65	77	75	78	+1/-2	140	180	185	70	86	4	M16x60	11.00	177017
80	98	96	99	+1/-2	140	180	200	70	102	4	M16x70	13.00	177018
100	118	115.5	119	+1/-2.5	140	180	220	70	123	4	M16x70	16.00	176982
125	144	141.5	145	+1/-2.5	150	190	250	70	149	4	M16x70	20.00	177019
150	170	167.5	171	+1/-2.5	150	190	285	70	175	4	M16x70	25.00	176983
200	222	219.5	223	+1/-2.5	150	200	340	75	227	6	M16x80	34.00	176984
250	274	269	276	+2/-5	180	235	385	90	280	6	M16x80	52.00	177020
300	326	321	328	+2/-5	200	255	460	100	332	8	M20x90	64.00	177031
350	378	373	380	+2/-5	200	255	510	100	384	8	M20x90	100.00	163975
400	429	424	431	+2/-5	200	255	575	100	435	8	M20x90	100.00	163993
450	480	475	482	+2/-5	200	255	625	105	486	10	M20x90	112.00	177456
500	532	527	534	+2/-5	200	275	675	105	538	10	M20x110	132.00	164022
600	635	629	638	+3/-6	200	275	790	105	643	10	M24x110	181.00	164040
700	738	732	741	+3/-6	200	275	890	105	746	12	M24x110	220.00	164055
800	842	835	844	+2/-7	200	275	1010	105	850	12	M24x110	276.00	164067
900	945	938	947	+2/-7	230	300	1110	120	953	14	M24x110	330.00	164077
1000	1048	1041	1050	+2/-7	300	365	1215	110	1056	14	M24x110	400.00	163786
1100	1151	1144	1153	+2/-7	300	365	1310	110	1160	16	M24x110	595.00	160788
1200	1255	1047.5	1258	+3/-7.5	300	380	1445	115	1265	16	M27x120	698.00	177032

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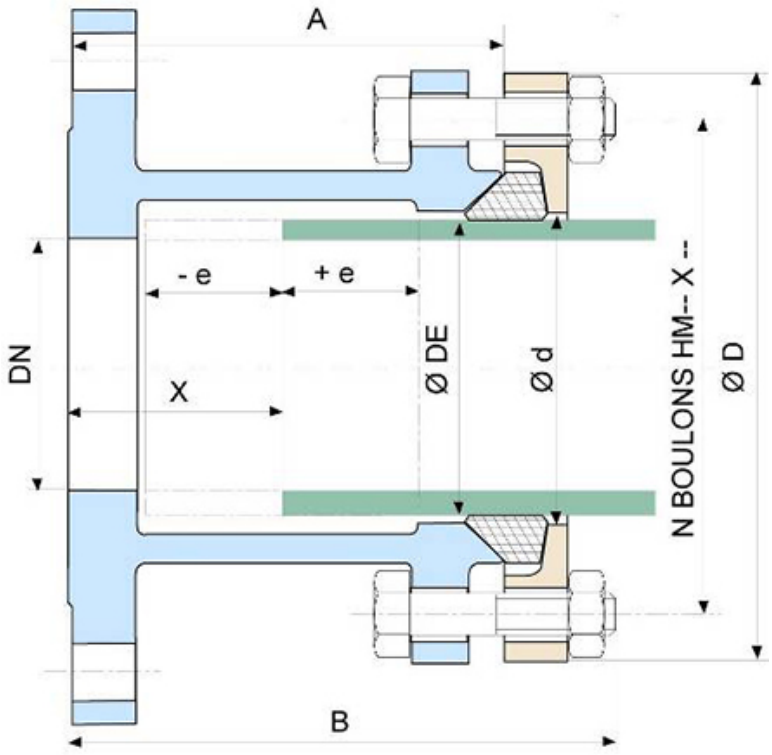
DN flange (mm)	ØDE (mm)	ØDE mini (mm)	ØDE maxi (mm)	DE tolerance (mm)	A (mm)	B (mm)	D (mm)	X (mm)	d (mm)	Number of bolts	Bolts	Mass (kg)	References
1400	1462	1454.5	1465	+3/-7.5	400	480	1680	130	1472	18	M27x120	937.00	160790
1500	1565	1557	1567.5	+2.5/-8	400	480	1750	135	1576	18	M27x120	1098.00	160791
1600	1668	1660	1670.5	+2.5/-8	400	480	1890	135	1680	20	M27x120	1173.00	160792
1800	1875	1866.5	1877	+2/-8.5	420	500	2115	145	1885	22	M30x130	1490.00	160795
2000	2082	2072.5	2083	+1/-9.5	420	500	2300	150	2092	24	M30x130	2166.00	160798



Installation

- DE margin for assembly pipe: see table Dimensions DE ± (margin for not ovalized pipe). Check than 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.

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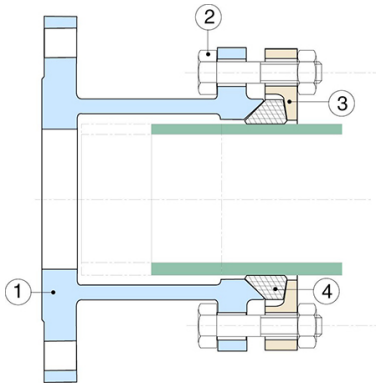
Assembly and start up



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 (±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 he 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.

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DN	Type PV PN10	Type PV PN16	Type PV PN25	Adjustment ±e
mm	Measurement X (mm)	Measurement X (mm)	Measurement X (mm)	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 ±4
M20	110 ±10
M24	190 ±10
M27	280 ±15
M30	380 ±20

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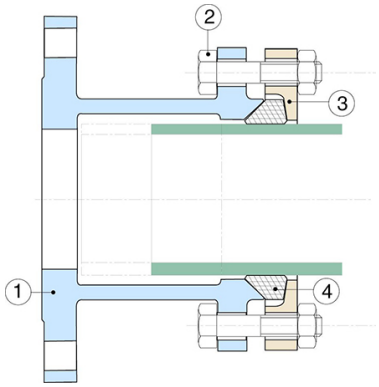
Material and coatings



Item	Description	Material	Coating
1	Body	Steel EN 10025 S235JRG2	Blue epoxy powder 250 microns average thickness with a minimum of 200 microns, conforming to EN 14901-1 (PECB)
2	Bolts, Washers	Steel EN 10025 S235JRG2 or S335J2G3 Class 6/8	Zinc
3	Flange Ring	Steel EN 10025 S235JRG2	Blue epoxy powder 250 microns average thickness with a minimum of 200 microns, conforming to EN 14901-1 (PECB)
4	Sealing Ring	Elastomer type EPDM	

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