

F-117I PN100

Exchangeable with flange:
European standard EN 1092-1
Number flange type: 11

Form of flange sealing surface: B2
Material number: 1.4401
DN = nominal pipe size

Table 1 **Dimensions PN100**

	DN	A	H	B	V [litre] (intern volume)	Diam. F
F-117AI	40	225	243		0.312	39.3
F-117BI	50	225	261	57.5	0.508	51.3
F-117CI	80	225	296		1.11	76.5
F-117DI	100	225	330	108.5	1.88	100.5

Table 2 **STRAIGHT PIPE LENGTH REQUIREMENTS** (in number of diameters F)

	Upstream	Downstream
one 90° bend before meter	10	4
two 90° bend before meter	13	4
two 90° bend in two planes	20	4
three 90° bend in three planes	30	4
reduction before meter	10	4
expansion before meter	20	4
pressure reducing valve / control valve / partially closed valve before meter	30	4

1. Diameter F:

Care should be taken to install the F-117 concentrically in the line in such a way that the internal diameter of the pipe or flange does not cover the free diameter F.

This means that the internal diameter of the pipe or flange should be chosen greater than the diameter F.

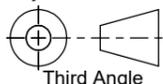
2. Straight pipe lengths:

The F-117 should be mounted with a minimum of straight pipe diameters upstream and downstream. See table 2.

If this is not done, flow measurement errors may occur.

Check document 7.05.445 for the height of the multibus instrument.
Dimensions subject to change without notice.

Tolerances ± 0.2 unless otherwise mentioned

Title: Dimensional drawing F-117AI DIN PN100		Drawer : M.d.J. Date: 24-05-2005	Revision Description: Title changed	
 www.BRONKHORST.COM	Projection:  Third Angle	Checked : M.d.J. Date: 23-09-2016	Rev. by: R.Kn.	Scale:
	Dimensions: Metric (mm)	Drawing no.: 7.15.104	Rev.: E	A3 Page: 1-1