

DELTA meters Flanging



Introduction

This document details the various types of connections available for DELTA meters.

Threaded meters

The **Delta Compact (G10 to G40)** is available with threaded connections. 2 versions are available:

- DN40 (1"1/2) BSP (Parallel thread)
- DN40 (1"1/2) NPT (Conical thread)



Flanged meters *with* threaded holes

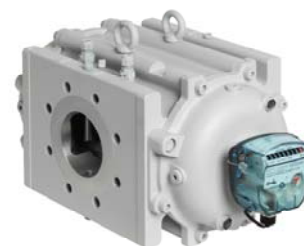
Meters from **DN25 G10 to DN100 G400** are Available with flanged connections.

Holes in the flanges are threaded.

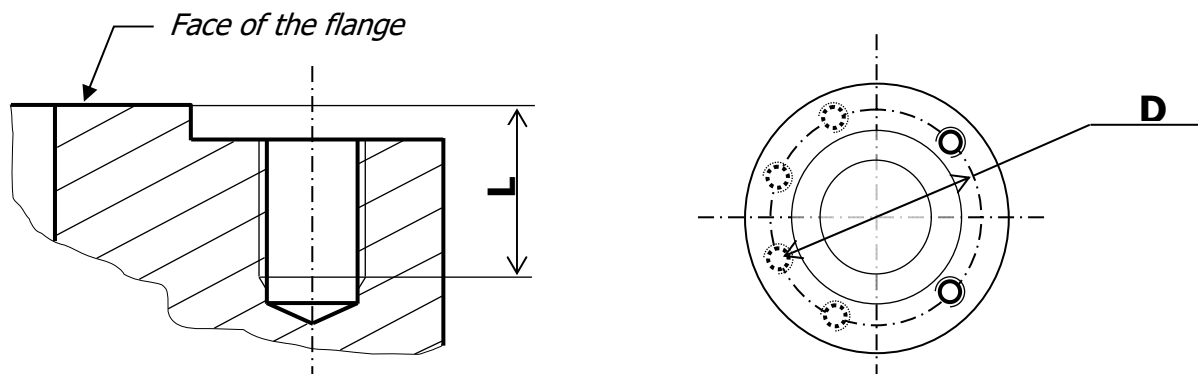
Threads can be metric (M) or inch (UNC).

"UNC" thread controlled by ANSI/ASME B1.1 - 1989.

"M" thread controlled by ISO 261



Flange dimensions



Flanges with holes with metric (M) screw thread								
DN	Flanging	Number of holes	Thread type	Diameter "D" (mm)	L (mm)			Maximum torque value (Nm)
					Alu	Ductile iron	Steel	
25	PN 10-16	4	M12	85	24	-	-	40
40	PN 10-16	4	M16	110	24	-	-	40
50	PN 10-16	4	M16	125	24	24	28	100
50	PN 25	4	M16	125	-	-	28	100
50	PN 40	4	M16	125	-	-	28	100
50	Class 300	8	M16	127	-	-	28	100
50	Class 600	8	M16	127	-	-	28	100
80	PN 10-16	8	M16	160	24	24	-	100
100	PN 10-16	8	M16	180	24	24	-	100
Flanges with holes with inch (UNC) screw thread								
DN	Flanging	Number of holes	Thread type	Diameter "D" (mm)	L (mm)			Maximum torque value (Nm)
					Alu	Ductile Iron	Steel	
25	150(125)	4	1/2" UNC-2B	79,4	24	-	-	40
40	150(125)	4	1/2" UNC-2B	98,6	24	-	-	40
50	150(125)	4	5/8" UNC-2B	120,6	24	24	28	100
50	300	8	5/8" UNC-2B	127	-	-	28	100
50	600	8	5/8" UNC-2B	127	-	-	28	100
80	150(125)	4	5/8" UNC-2B	152,4	24	24	-	100
80	300	8	3/4" UNC-2B	168,3	-	-	-	-
80	600	8	3/4" UNC-2B	168,3	-	-	-	-
100	150(125)	8	5/8" UNC-2B	190,5	24	24	-	100
100	300	8	3/4" UNC-2B	200	-	-	-	-
100	600	8	7/8" UNC-2B	215,9	-	-	-	-



Metric (M) threads and threads defined in inch (UNC) are not compatible!

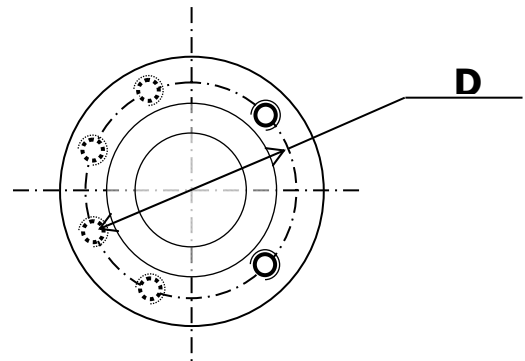
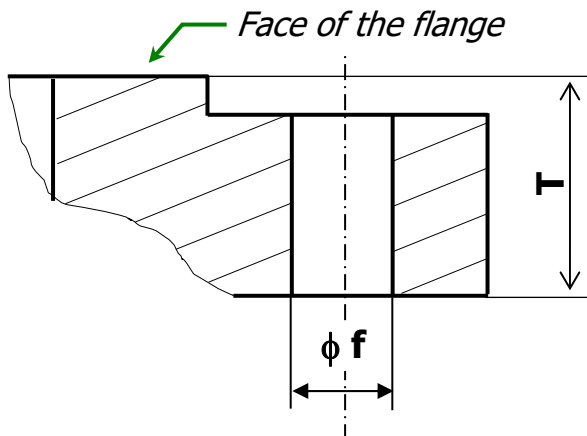
Flanged meters *without* threaded holes

Meters **DN150 G250 to G650** (S3-Flow) are available with flanged connections.
Holes in the flanges are **not threaded**.



PN 10-16, Class 150				
DN	Number of holes	ϕf	Diameter "D" (mm)	T
150	8	22,4	241	26

Flange dimensions



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Maximum pressure Pmax (bar)

G-sizes	Material	DN40 BSP/NPT	PN 10	PN 16	Class 150 (125)	PN 25	PN 40	Class 300	Class 600
G10-G40	Aluminium	16	10	16	19,3	-	-	-	-
G16-G160 **	Aluminium	-	10	16	19,3	-	-	-	-
G160-G400	Aluminium	-	10	16	16*	-	-	-	-
G16-G400	Ductile Iron	-	10	16	16*	-	-	-	-
G16-G65	Steel	-	10	16	19,3	25	40	50,6	101,2
G250-G650 (S-flow)	Ductile Iron	-	10	16	19,3	-	-	-	-

Note: Ductile Iron = EN-GJS-400-18LT = GGG40.3

* on request: 19,3 bar

** Silver Edition (SE) model

According to specific National Rules, these maximum pressures can be also reduced.

Flange norms

Flanges are compatible with:

Body material	Flanging	
	Norm	Flanging
steel	EN 1092-1-2013	PN 10
	EN 1092-1-2013	PN 16
	EN 1092-1-2013	PN 25
	EN 1092-1-2013	PN 40
	EN 1759-1-2005	Class 150 - M
	EN 1759-1-2005	Class 150 - UNC
ductile iron	EN 1759-1-2005	Class 300 - M
	EN 1759-1-2005	Class 300 - UNC
	EN 1759-1-2005	Class 600 - M
	EN 1759-1-2005	Class 600 - UNC
alu	ISO 7005-2-1988	PN 10
	ISO 7005-2-1988	PN 16
	ANSI B16.1	ANSI 125/150
alu	EN 1092-4-2002	PN 10
	EN 1092-4-2002	PN 16
	EN 1759-4-2003	Class 150 (125)

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