

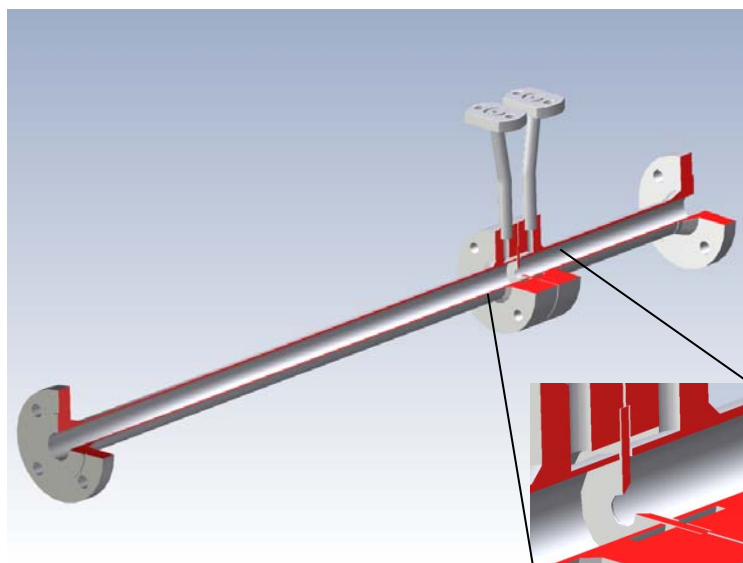
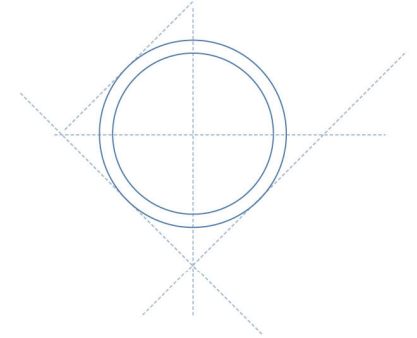
## EMCO Meter Run with Transmitter Flanges for Compact Mounting, Type CompaQ

### Principle

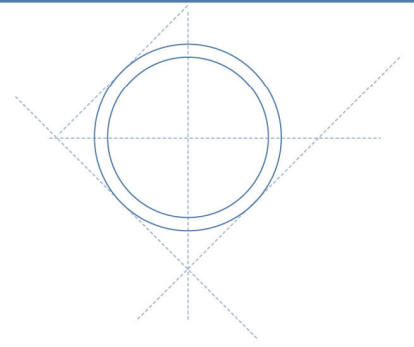
EMCO Meter Run type CompaQ is used as primary element in flow measurement of liquid, gas and steam according to the differential pressure principle. The differential pressure transmitter and 3 way manifold valve is mounted directly on the CompaQ ensuring an faster and more safe installation on site.

### Construction

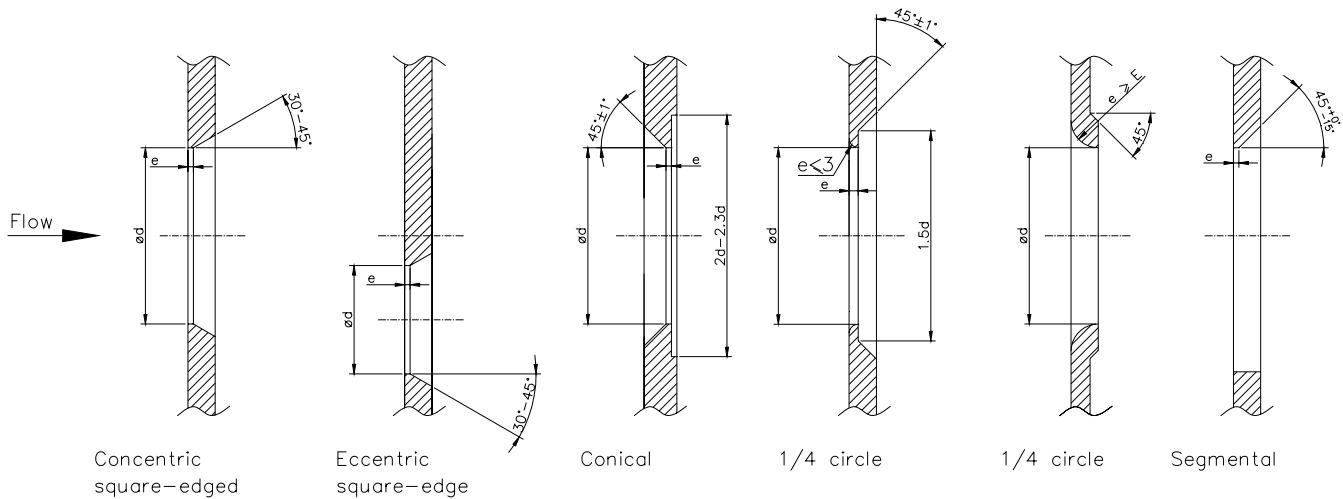
Design and calculation standards	: ISO 5167, BS 1042, ASME Fluid Meters, DIN 19205, Shell Flow Meter Engineering Handbook,
Sizes	: DN 10 – DN 100, 3/8" - 4".
Pressure rating	: PN 10 - 400, 150 - 2500 lbs
Plate thickness	: 3 mm.
Vent or drain hole	: On request.
Material	: AISI 316, other on request.
Pipe run	: Can be honed for increased accuracy.
Pressure taps	: Transmitter flanges with a 54 mm centre distance.
Connection	: Flanges with flat or raised face or groove according to DIN 2526, 2513 or 2512, or RF and RTJ according to ANSI B 16.5



0-03-036-1e



Orifice plate shapes : Square edge concentric, square edge eccentric, conical, 1/4 circle, segment. Orifice plates are bevelled on the downstream side except for 1/4 circle orifice plate.



Marking : The carrier rings are marked with "+" and "-" and flow direction.

**Technical Data**

Accuracy : +/- 0,5 - 1 %

Pressure loss : Depending on  $\beta$ , for  $\beta$  equal to 0,6 : ca. 60 % of the differential pressure measured

Limits for Reynolds No :  $Re > 1260 \times \beta^2 D$  according to ISO 5167  
 $2000 < Re < 10^8$  according to ASME MFC-3M

**Sizes**

DN	Inch	Total length
10	3/8"	400
15	1/2"	550
20	3/4"	700
25	1"	900
32	1 1/4"	1100
40	1 1/2"	1300
50	2"	1500
65	2 1/2"	1600
80	3"	1800
100	4"	2200

All dimensions in mm.