

Dimensions of flanges drilled according to DIN

				Dimensions of flanges with plain sealing face					Additional dimensions for flanges with raised face	
Type	Material	Nom. diam. DN [mm]	Nom. press. PN [bar]	Ø D [mm]	Ø k [mm]	n holes	Ø d ₂ [mm]	b [mm]	Ø d ₄ [mm]	f [mm]
1020	E/D/S	15	25	95	65	4	14	16	45	2
1030	E/D		40							
1110/111.	E/D/S	25	10	115	85	4	14	16	68	2
1120	E/D		25					18		
1130	E/D		40							
1140	E/D		63					140		
1410/141.	E/D	50	6	165	125	4	18	17	102	3
1410/141.	S		10					20		
1420	E/D/C		25							
1430	E/D		40							
1440	E		63	180	135	4	22	26	----	----
1610/161.	E/D	80	4	190	150	4	18	18	128	3
1610/161.	S		6							
1620	E/D		25	200	160	8	18	22	138	3
1630	E/D		40							
1640	E		63	215	170	8	22	28	138	3

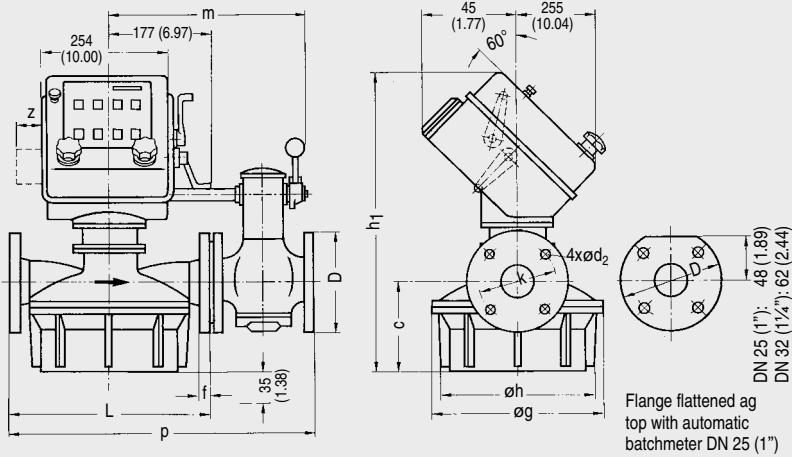
Dimensions of flanges drilled according to ANSI

				Dimensions of flanges with plain sealing face					Additional dimensions for flanges with raised face	
Type	Material	Nom. diam. [inch]	MWP [psi]	Ø D [inch]	Ø k [inch]	n holes	Ø d ₂ [inch]	b [inch]	Ø d ₄ [inch]	f [inch]
1020	E/D/S	1/2"	150	3 3/4	2 5/8	4	5/8	16	1 3/8	1/16
1030	E/D									
1110/111.	E/D/S	1"	150	4 1/4	3 1/8	4	5/8	16	2	1/16
1120	E/D		300 to 600	4 7/8	3 1/2	4	3/4	18	2	1/16
1130	E/D		900 to 1500	5 7/8	4	4	1	24	2	1/4
1140	E/D									
1410/141.	E/D/S	2"	150	6	4 3/4	4	3/4	17	3 5/8	1/16
1420	E/D/C		300 to 600	6 1/2	5	8	3/4	20	3 5/8	1/16
1430	E/D		900 to 1500	8 1/2	6 1/2	8	1	26	3 5/8	1/4
1440	E									
1610/161.	E/D/S	3"	150	7 1/2	6	4	3/4	18	5	1/16
1620	E/D		300 to 600	8 1/4	6 5/8	8	7/8	22	5	1/16
1630	E/D		900 to 1500	10 1/2	8	8	1 1/4	28	5	1/4
1640	E									

Flowmeters

SITRANS F R

Automatic batchmeters
DN 25, DN 50 and DN 80 (1", 2" and 3")

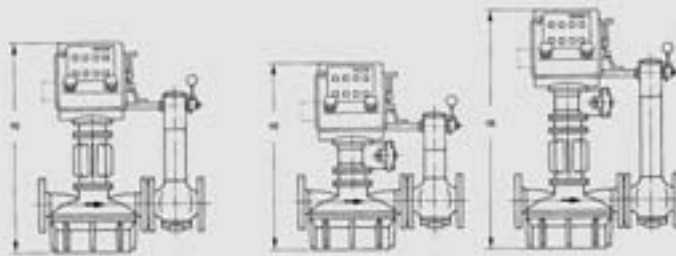


Automatic batchmeter with quantity preset register type 30

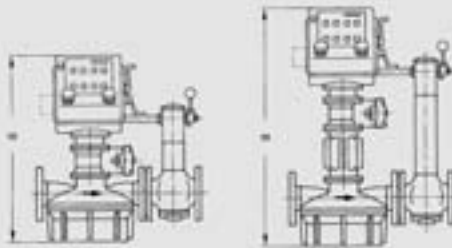
Dimension	DN 25 (1")		DN 50 (2")	
	PN 10	(MWP 145 psi)	PN 6	MWP (87 psi 145 psi)
L	210	(8.27)	325	(12.80)
c	90	(3.54)	147	(5.79)
h	140	(5.51)	250	(9.84)
g	155	(6.10)	275	(10.83)
h ₁	440	(17.32)	492	(19.37)
m	241	(9.49)	318	(12.52)
p	345	(13.58)	500	(19.68)
z	54 (2.1) for electric switch			

Note:
The shut-off valve is mounted downstream on the meter and upstream if pressure surges are expected; see Ordering data.

Fig. 3/163 Automatic batchmeters DN 25 and DN 50, dimensions in mm (inches), see page 3/173 for flange dimensions



Accessory	Model 21	Model 22	Model 23
Quantity preset register	Type 30	Type 30	Type 30
Dimension a for automatic batchmeter with 1 insulation attachment			
DN 25 (1")	599 (23.58)	522 (20.55)	681 (26.81)
DN 50 (2")	651 (25.63)	574 (22.60)	733 (28.86)
Dimension a for automatic batchmeter with 2 insulation attachments			
DN 25 (1")	758 (29.84)	522 (20.55)	840 (33.07)
DN 50 (2")	810 (31.89)	574 (22.60)	892 (35.12)



Accessory	Model 24	Model 25
Quantity preset register	Type 30	Type 30
Dimension a for automatic batchmeter with 1 insulation attachment		
DN 25 (1")	522 (20.55)	681 (26.81)
DN 50 (2")	574 (22.60)	733 (28.86)
Dimension a for automatic batchmeter with 2 insulation attachments		
DN 25 (1")	522 (20.55)	840 (33.07)
DN 50 (2")	574 (22.60)	892 (35.12)

Fig. 3/164 Automatic batchmeters DN 25 and DN 50, with accessories; dimensions in mm (inches)