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Stainless steel wafer metering station For EN1092 PN16 flanges Design according to BS7350 Tolerance on nominal  $K_{vs}$  ±5% (test according to BS7350) Gost compliant

PN16 (PN10 for DN≥350)

## Working conditions:

 Water: -10°C to +130°C below 0°C only for water with added antifreezing fluids over 100°C only for water with added anti-boiling fluids



N. Part		Material	Norm	
1	Body	Stainless steel	AISI 316 <sup>1</sup>	
2	Extension	Stainless steel	AISI 316 <sup>1</sup>	
3	Test point	DZR Brass <sup>2</sup>	EN12164 CW602N	

<sup>&</sup>lt;sup>1</sup>AISI 304 for DN≥450

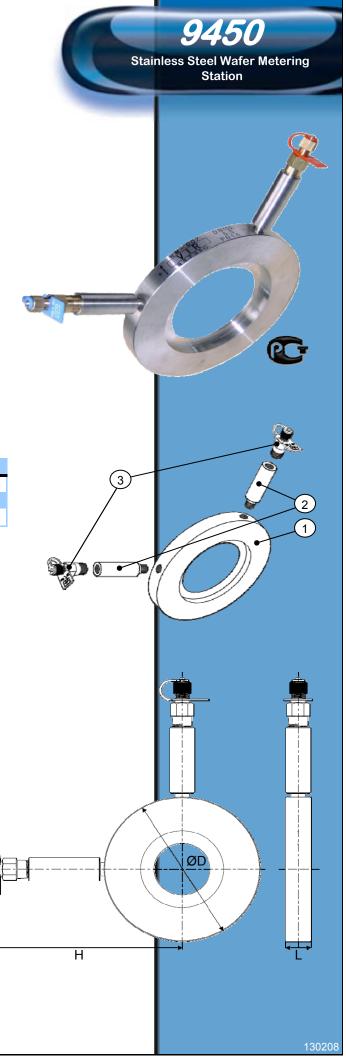
<sup>&</sup>lt;sup>2</sup>Test points with EPDM gaskets and polypropylene ties

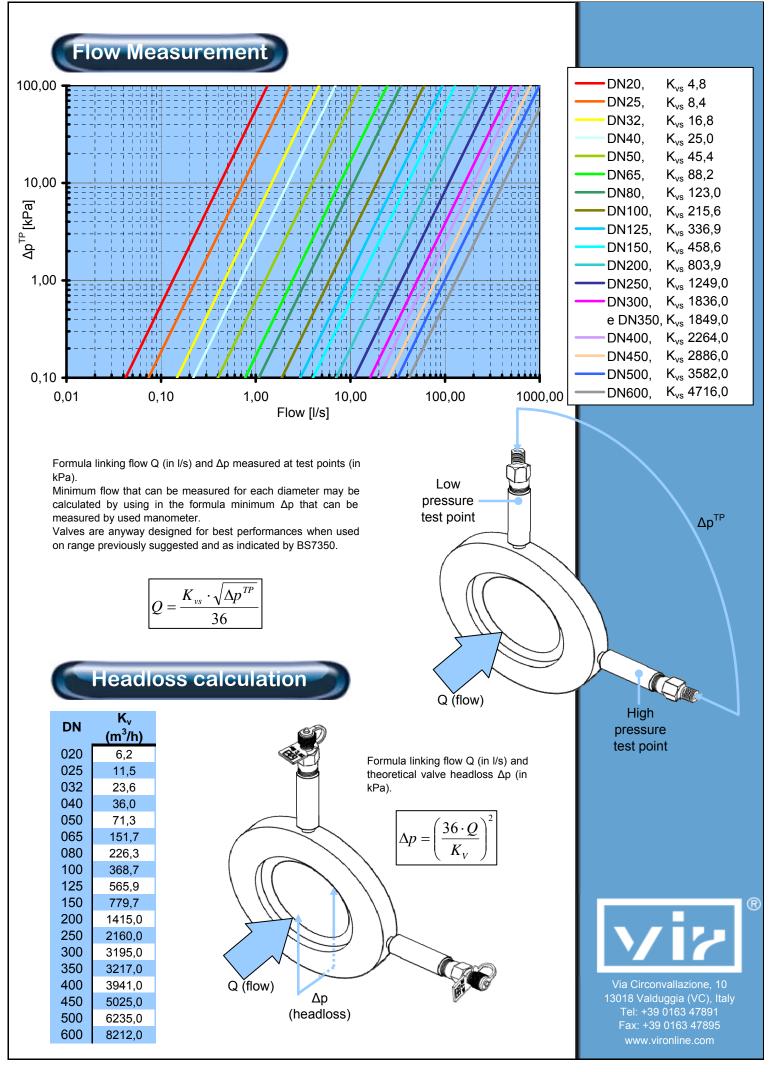


DN	H (mm)	L (mm)	ØD (mm)	Weight (g)	Flow (I/s)
020	122	18	63	564	0,138-0,325 <sup>1</sup>
025	127	18	73	687	0,258-0,603 <sup>1</sup>
032	132	18	84	822	0,54-1,25 <sup>1</sup>
040	137	18	94	972	0,81-1,88 <sup>1</sup>
050	145	18	109	1142	1,52-3,51 <sup>1</sup>
065	154	18	127	1468	3,02-6,95 <sup>1</sup>
080	162	18	143	1762	6,40-15,36 <sup>1</sup>
100	172	18	163	1967	10,85-26,04 <sup>1</sup>
125	187	18	193	2560	16,85-39,75 <sup>1</sup>
150	200	18	219	2950	23,71-56,91 <sup>1</sup>
200	227	18	274	4140	41,86-100,47 <sup>1</sup>
250	255	18	330	5350	66,58-156,78 <sup>1</sup>
300	283	18	385	6830	94,16-255,99 <sup>1</sup>
350	313	21	445	11000	96-261
400	338	21	496	14000	117-320
450	368	21	556	17000	150-408
500	399	21	618	21000	186-506
600	458	25	735	35000	245-667

Suggested flow range applicability (BS7350)

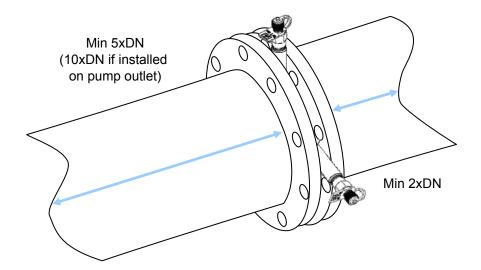
If used with measuring manometers different from those proposed by VIR please verify that sensibility of the measuring device is compatible with indicated minimum flow (see flow measurement paragraph)







To obtain the best performances valve must be installed on a pipe with its same nominal size preceded and followed by straight pipe lengths as per figure indications.



The metering station can be installed together with balancing valve of same DN (in example VIR Fig.9565P composed by metering station Fig.9450 + balancing valve Fig.9555P) according following configuration.

