

VAF

INSTRUMENTS



Flowmeters

Series 'M' MilliFlow and 'J' Vane meters

MilliFlow / LoFlow[®] / ProFlow / MidFlow[®] / HiFlow[®]

I30

Model Selection Sheet

WWW.VAF.NL

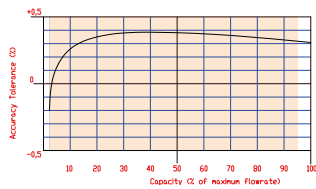
TO BE
REALLY
SURE

Model number	Connection size DN mm (inches)	Flow range (litres/min)	Material Body			Accuracy Range ± in %		Body pressure ¹ rating (bar) (1 bar = 100 kPa)	Connections Male thread	Connections Pipe couplings	Connections Flanges								
			Ductile Iron	Steel	Stainless Steel 316	1:10	1:20				DIN RF PN10	DIN RF PN16	DIN RF PN25	DIN RF PN40	ANSI B16.5 RF Class 150	ANSI B16.5 RF Class 300	JIS 5K	JIS 10K	JIS 16K
J5015E	15 (½")	2,5 - 50	X			0,2	0,3	40			X	X	X	X	X	X	X	X	X
J5023E	25 (1")	2,5 - 50	X			0,2	0,3	40			X	X	X	X	X	X	X	X	X
J5025E	25 (1")	8 - 160	X			0,2	0,3	25			X	X	X	X	X	X	X	X	X
J5040E	40 (1½")	12,5 - 250	X			0,2	0,3	25			X	X	X	X	X	X	X	X	X
J5050E	50 (2")	25 - 500	X			0,2	0,3	25			X	X	X	X	X	X	X	X	X
J5015PT2	15 (½")	2,5 - 50	X			0,2	0,3	40			X	X	X	X	X	X	X	X	X
J5023PT2	25 (1")	2,5 - 50	X			0,2	0,3	40			X	X	X	X	X	X	X	X	X
J5025/J5025PT2	25 (1")	8 - 160	X			0,2	0,3	25/20			X	X	X	X	X	X	X	X	X
J5040/J5040PT2	40 (1½")	12,5 - 250	X			0,2	0,3	25/20			X	X	X	X	X	X	X	X	X
J5050/J5050PT2	50 (2")	25 - 500	X			0,2	0,3	25/20			X	X	X	X	X	X	X	X	X
J5080	80 (3")	95 - 1900	X			0,1	0,3	20			X	X	X	X	X	X	X	X	X
J5100	100 (4")	137 - 2750	X			0,1	0,3	20			X	X	X	X	X	X	X	X	X
J1025	25 (1")	8 - 160		X		0,2	0,3	25			X	X	X	X	X	X	X	X	X
J1040	40 (1½")	12,5 - 250		X		0,2	0,3	25			X	X	X	X	X	X	X	X	X
J1050	50 (2")	25 - 500		X		0,2	0,3	25			X	X	X	X	X	X	X	X	X
J1080	80 (3")	95 - 1900		X		0,1	0,3	20			X	X	X	X	X	X	X	X	X
J1100	100 (4")	137 - 2750		X		0,1	0,3	20			X	X	X	X	X	X	X	X	X
J3025	25 (1")	8 - 160			X	0,2	0,3	25			X	X	X	X	X	X	X	X	X
J3040	40 (1½")	12,5 - 250			X	0,2	0,3	25			X	X	X	X	X	X	X	X	X
J3050	50 (2")	25 - 500			X	0,2	0,3	25			X	X	X	X	X	X	X	X	X
J3080	80 (3")	95 - 1900			X	0,1	0,3	16			X	X	X	X	X	X	X	X	X
J3100	100 (4")	137 - 2750			X	0,1	0,3	20			X	X	X	X	X	X	X	X	X
J5150	150 (6")	230 - 4600	X			0,1	0,3	10,5			X	X	X	X	X	X	X	X	X
J5200	200 (8")	400 - 8000	X			0,1	0,3	12,5			X	X	X	X	X	X	X	X	X
J5250	250 (10")	625 - 12500	X			0,1	0,3	12,5			X	X	X	X	X	X	X	X	X
J5300	300 (12")	800 - 16000	X			0,1	0,3	12,5			X	X	X	X	X	X	X	X	X
M31	8 (¾")	0,016 - 0,333			X	0,5	25, 100	¼"	8/12		X	X	X ⁽²⁾	X ⁽⁴⁾	X ⁽⁴⁾	**	**	**	**
J1010N	10 (¾")	1 - 20		X		0,3	52	⅜"	12		X	X	X ⁽³⁾	X ⁽³⁾	X ⁽⁵⁾	X ⁽⁵⁾	X ⁽⁶⁾	X ⁽⁶⁾	X ⁽⁶⁾
J3010N	10 (¾")	1 - 20			X	0,3	52	⅜"	12		X	X	X ⁽³⁾	X ⁽³⁾	X ⁽⁵⁾	X ⁽⁵⁾	X ⁽⁶⁾	X ⁽⁶⁾	X ⁽⁶⁾
J1015N	15 (¾")	2,5 - 50		X		0,3	52	½"	16/18		X	X	X	X	X	X	X	X	X
J3015N	15 (¾")	2,5 - 50			X	0,3	52	½"	16/18		X	X	X	X	X	X	X	X	X
J3023N	25 (1")	2,5 - 50			X	0,3	52				X	X	X	X	X	X	X	X	X

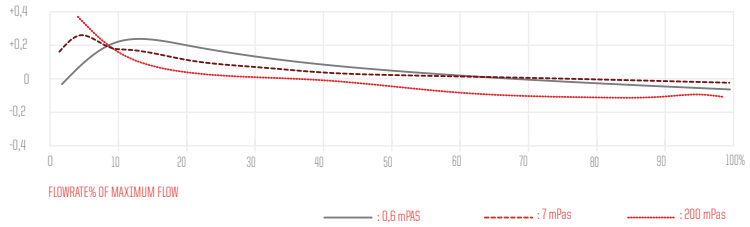
Reproducibility: ± 0,05% Available for marked with X¹ Body pressure rating depends on selected execution ⁽²⁾ DN15 and DN25 ⁽³⁾ DN10, DN15 and DN25 ⁽⁴⁾ ½" and 1" ⁽⁵⁾ ½", ¾" and 1" ⁽⁶⁾ Consult factory

Capacity

VAF Instruments Flowmeters perform liquid measurement with the highest accuracy. These graphs show typical calibration curves for liquids with different viscosities.



M31 MilliFlow pistonmeter



LoFlow®, ProFlow, MidFlow, HiFlow vane meters

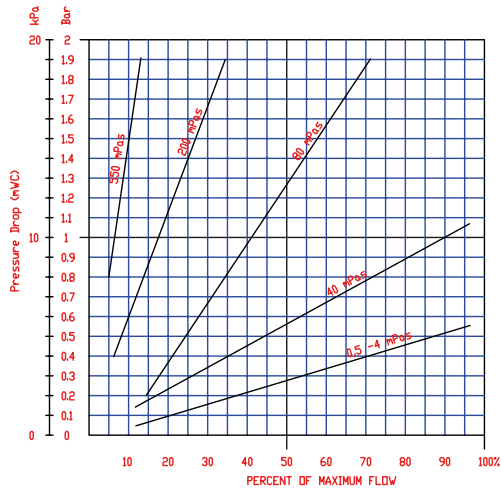
Flow ranges

To select the appropriate meter size for your process the graphs must be used.

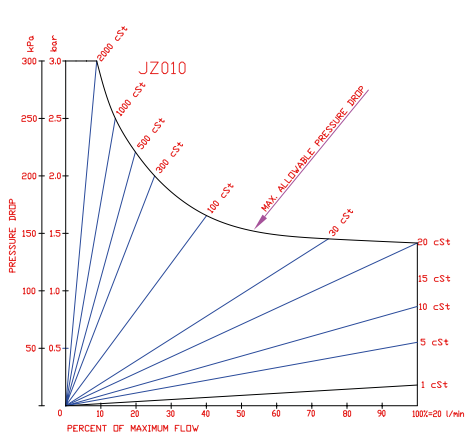
The data in these graphs only refer to standard Flowmeters used on Newtonian liquids. Consult VAF Instruments for viscosities over 3000 mPa.s. Lower minimum capacities are possible depending on liquid viscosity and required measuring accuracy.

Flowrate - pressure drop viscosity relation

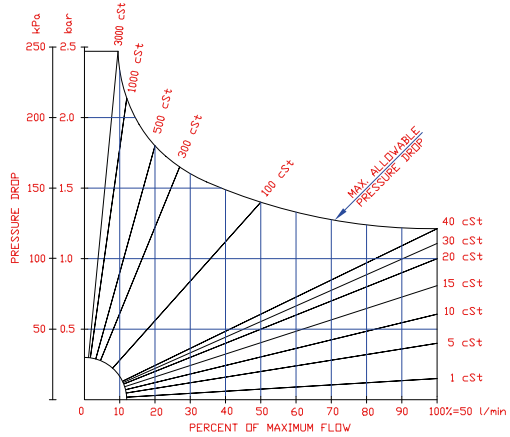
These graphs show the pressure drop across the Flowmeter as a function of the flowrate and the viscosity of the liquid. The sloping lines are lines of equal viscosity. The curve at the top of the graphs represents the maximum allowable pressure drop.



Meter size DN8 mm 100% = 20 l/h



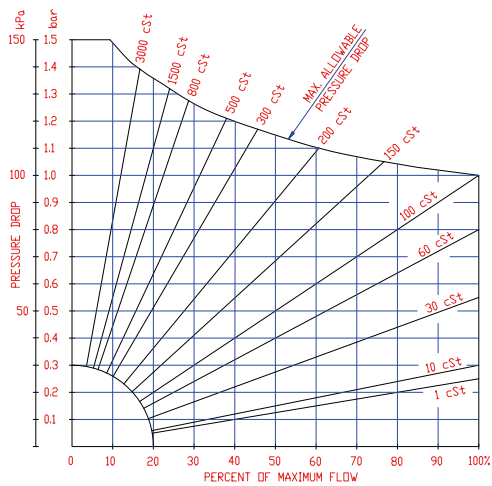
Meter size DN 10 mm 100% = 20 l/min



Meter size DN 15 mm: 100% = 50 l/min

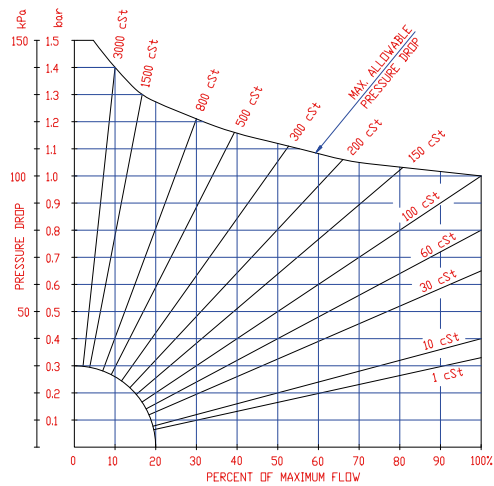
Not for use in HFO installations

For applications involving HFO we advise our DN25 size Flowmeters

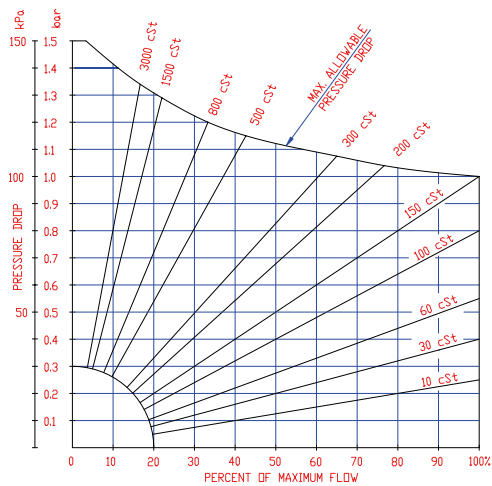


Meter size DN 25 mm: 100% = 160 l/min

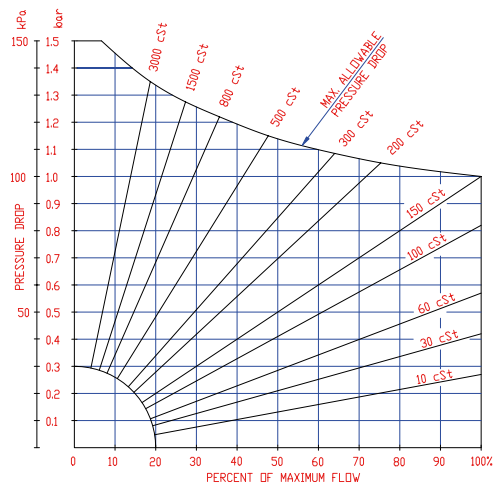
Meter size DN 40 mm: 100% = 250 l/min



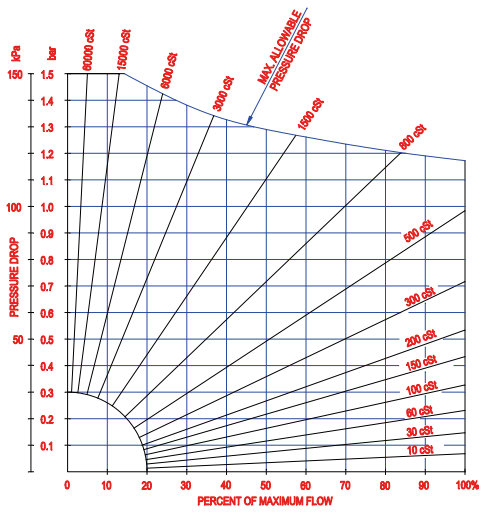
Meter size DN 50 mm: 100% = 500 l/min



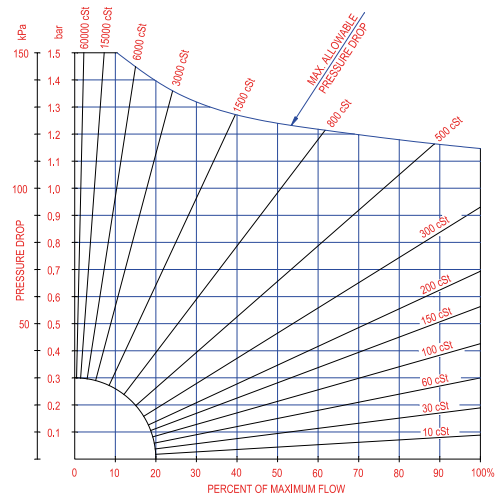
Meter size DN 80 mm: 100% = 1900 l/min



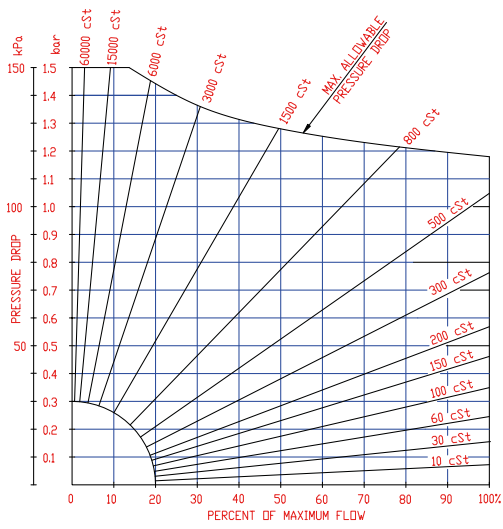
Meter size DN 100 mm: 100% = 2750 l/min



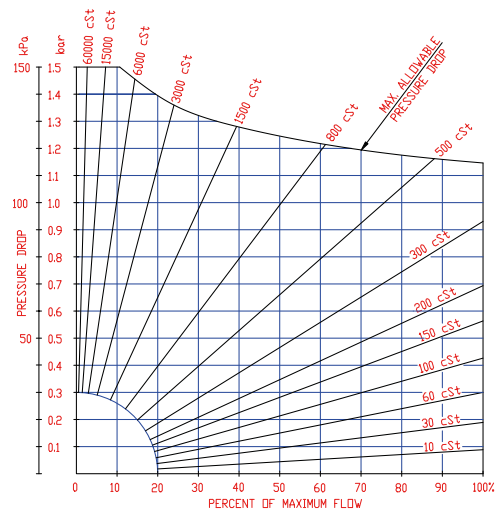
Meter size DN 150 mm: 100% = 4600 l/min



Meter size DN 200 mm: 100% = 8000 l/min



Meter size DN 250 mm: 100% = 12500 l/min



Meter size DN 300 mm: 100% = 16000 l/min



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