



Product Overview

The AX-OM-VZO is a range of cost effective Oil Meters which give a reed pulse output of the flow to the BMS or an Energy monitoring system. The units include a mechanical roller counter which displays the volume in litres

Features

- Oil Meter with inside thread connections
- Reed Pulse Output to BMS
- Ease of Maintenance and Installation
- Mechanical roller counter, displays volume in litres

Technical Specification

Switching Element:		Reed switch with dry contact
Switching Voltage:		Max 48Vac/dc
Switching Current:		Max 50mA
Static Current:		Open contact
Switching Power:		Max 3 VA
Nominal Pressure:	Threaded ends	16 Bar
	Flanged ends	25Bar (40 bar option at added cost)
ON-Time:		30...70% pulse value 1.0, 0.1 l/pulse 20...35% pulse value 0.00125 & 0.00311 l/pulse
Max Error:		+/- 1% of actual value
Repeatability:		+/- 0.2%
Ambient Temperature:	Threaded	-10 to + 60 deg C
	Flanged	130 or 180 deg C
Protection:		IP65
Connection:		On plug supplied for cable 2 x 0.35mm ²

Order Codes

AX-OM-VZO 4	1/8" Threaded Oil Meter c/w pulse output
AX-OM-VZO 8	1/4" Threaded Oil Meter c/w pulse output
AX-OM-VZO 15	1/2" Oil Meter c/w pulse output
AX-OM-VZO 20	3/4" Oil Meter c/w pulse output
AX-OM-VZO 25	1" Oil Meter c/w pulse output
AX-OM-VZO 40	1 1/2" Oil Meter c/w pulse output
AX-OM-VZO 50	2" Oil Meter c/w pulse output

AX-OM-VZO

Oil Meters



Installation

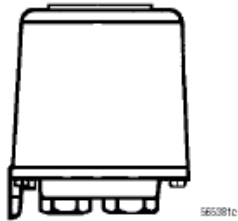
IMPORTANT, PLEASE READ CAREFULLY

A qualified engineer should always be employed to install this unit.
Current safety regulations must be observed.

Dimensions

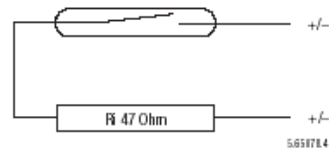
AX-OM-VZO 4 & 8

Dimensions in mm

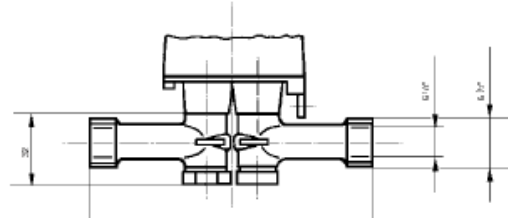


height = 79
width = 65
depth = 65

RE Pulsers



Mounting Kit for VZO 8



Dimensions

Type	mm	VZO 15	VZO 20	VZO 25	VZO 40	VZO 50
Length		165	165	190	300	350
Width		105	105	130	210	280
Typ ... 130 °C						
Height		106	115	142	235	291
Height -RV		130	139	166	259	315
Height -IN		185	194	221	273	329
Typ ... 180 °C						
Height		147	156	183	235	291
Height -RV		171	180	207	259	315
Height -IN		225	234	261	313	369

Technical Details

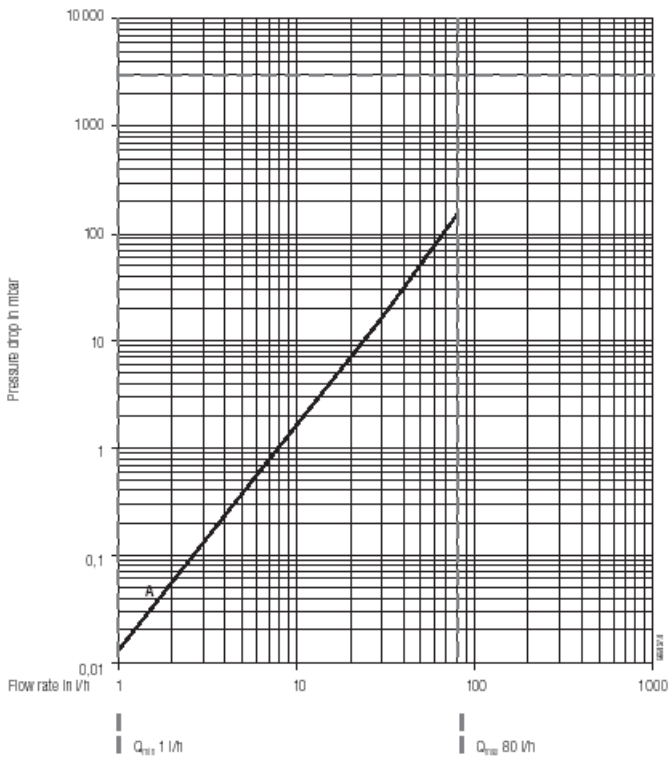
Part No	Nominal Diameter m m	Connection Thread inch	Qmax l/hr	Max Flow Qn l/hr	Nominal Qmin l/hr	Min Flow Start Flow l/hr	Chamber Volume cm3
AX-OM-VZO 4	4	1/8"	80	50	1	0.4	5
AX-OM-VZO 8	8	1/4"	200	135	4	1.6	12.5
AX-OM-VZO 15	15	1/2"	600	400	10	4	12
AX-OM-VZO 20	20	3/4"	1500	1000	30	12	36
AX-OM-VZO 25	25	1"	3000	2000	75	30	100
AX-OM-VZO 40	40	1 1/2"	9000	6000	225	90	330
AX-OM-VZO 50	50	2"	30000	20000	750	300	1200

Part No	Instal Length m m	Pulse Output l/pulse	Weight Threaded kgs	Weight Flanged PN25	Weight Flanged PN40	Safety Filter m m	Dirt Filter m m
AX-OM-VZO 4	65	0.1 , 0.01	0.65			0.125	0.08
AX-OM-VZO 8	65	1 , 0.1	0.75			0.15	0.1
AX-OM-VZO 15	165	1 , 0.1	2.2	3.8	4.4	0.4	0.25
AX-OM-VZO 20	165	1 , 0.1	2.5	4.5	5.5	0.4	0.4
AX-OM-VZO 25	190	1 , 0.1	4.2	7.5	7.8	0.4	0.4
AX-OM-VZO 40	300	10, 1	17.3	20.3	20.5	0.8	0.6
AX-OM-VZO 50	350	100 , 10, 1		41	42	0.8	0.6

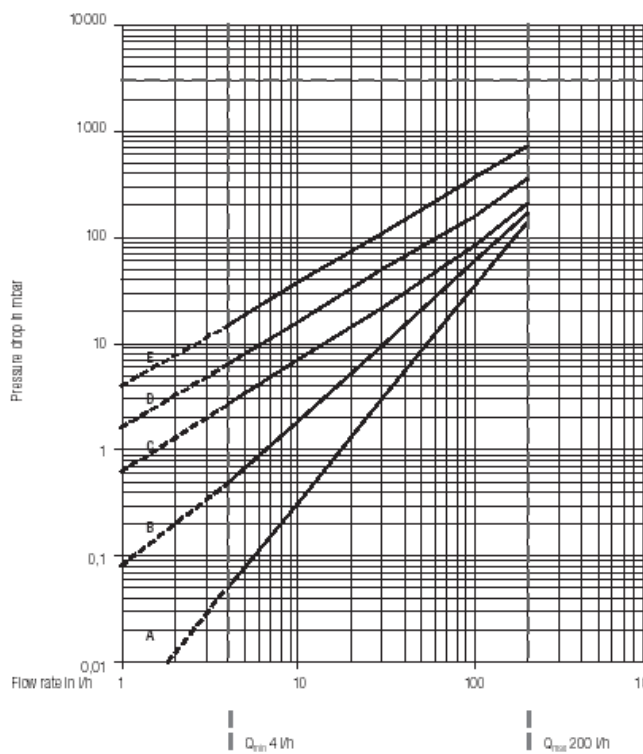
Every effort has been taken in the production of this data sheet to ensure it's accuracy. Axio can not, however, accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.

Pressure Drop Curves

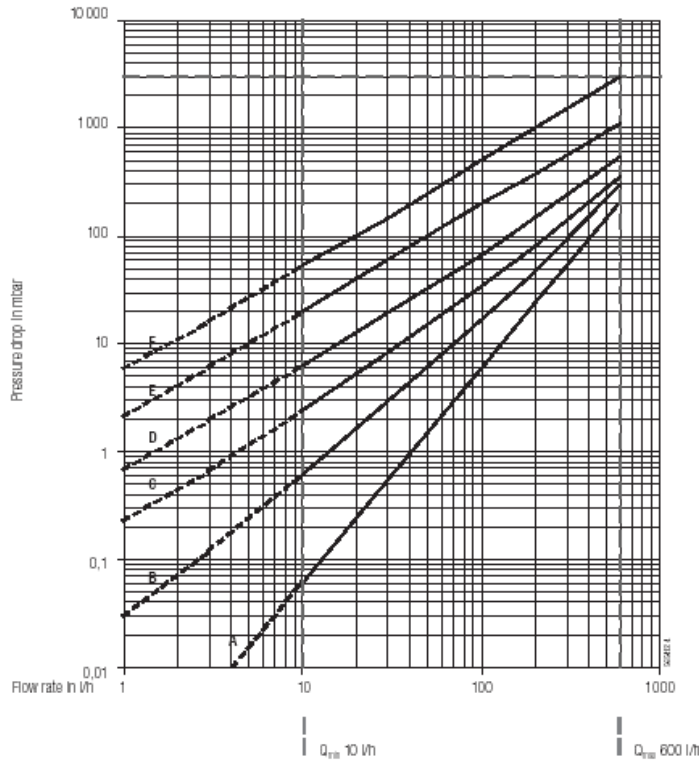
DN 4



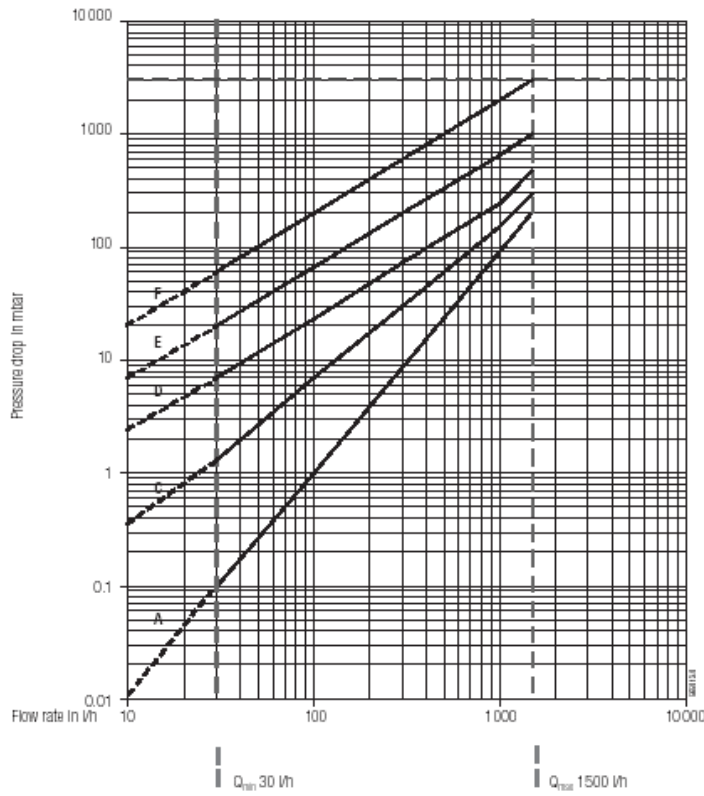
DN 8

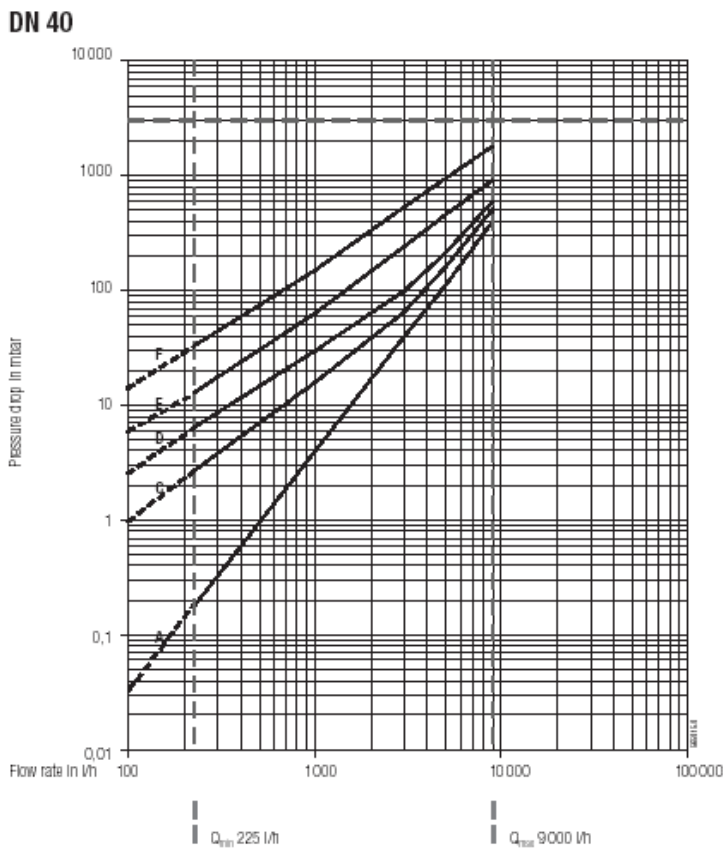
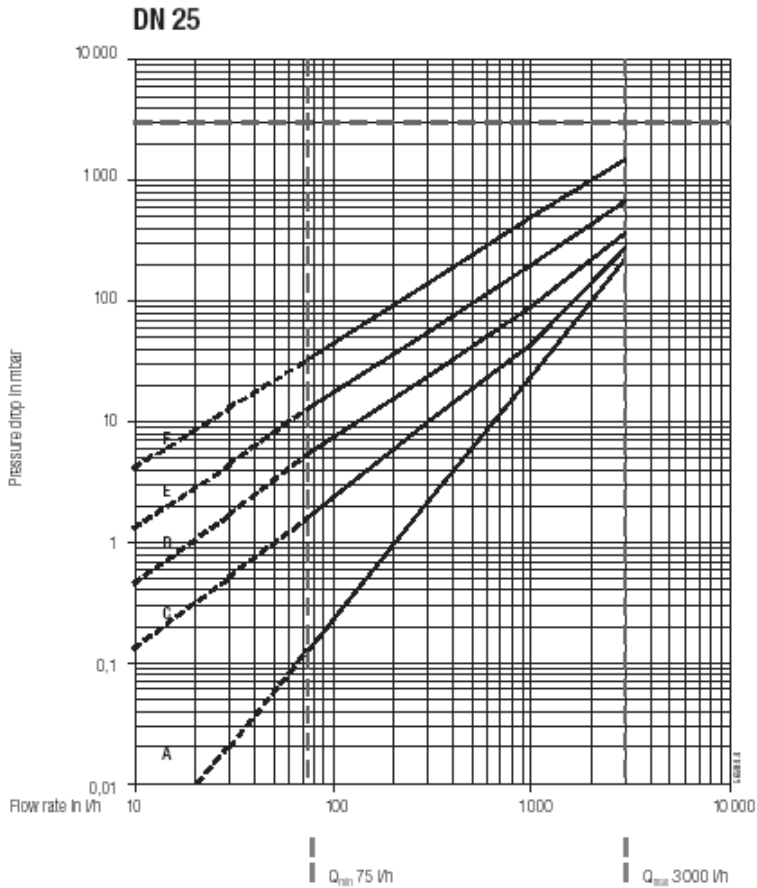


DN 15

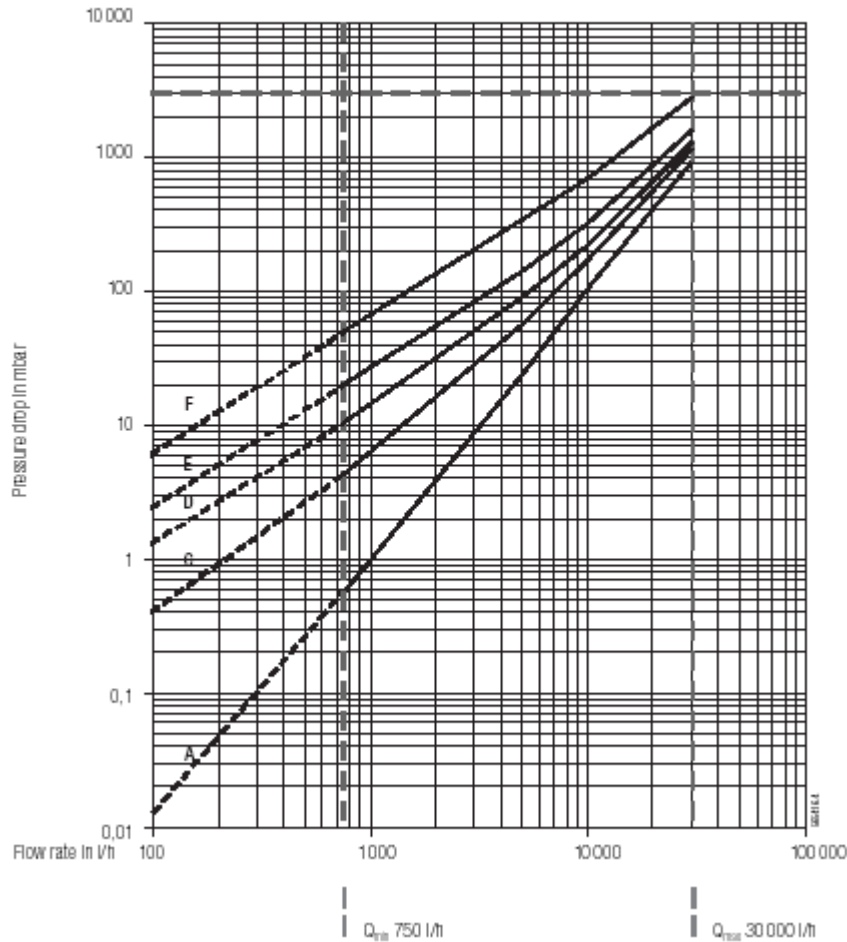


DN 20





DN 50



Materials Part	Material	Meter Size DN						
		4	8	15	20	25	40	50
Housing / Measuring unit	Brass	●	●					
Housing with threaded ends	Cast brass			●	●	●		
	Spheroidal graphite iron GGG						●	
Housing with flanges	Spheroidal graphite iron GGG			●	●	●	●	●
Measuring chamber - PN 16 / 25	Cast brass			●	●	●	●	
	Red brass							●
- PN 40	Stainless steel			●	●	●	●	●
Seals	NBR butadiene-acrylonitril	●						
	FPM fluorelastomer	S	●	●	●	●	●	●
Rotary piston	Anodized aluminium	●	●	●	●	●	●	●
Ancillaries	Plastic			●	●	●	●	●
Cover of meter	Plastic	●	●					