



## Gear Wheel Flowmeter for Viscous Liquids



measuring  
•  
monitoring  
•  
analysing

DOM



- Measuring range:  
0.5 ... 36 l/h and 150... 2500 l/min
- Viscosity range: 0 ... 1000 cP  
(higher with special cut rotors)
- Accuracy:  $\pm 0.2\%$  ... 1% of reading
- Material: aluminium or stainless steel
- $p_{\max}$ : 400 bar;  $t_{\max}$ : 120 °C
- Pulse output, LCD display, 4...20 mA,  
alarms, mechanical register

S4

KOBOLD companies worldwide:

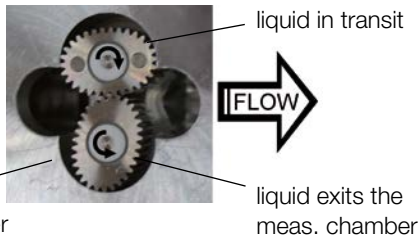
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**Principle of Operation**

The Oval Gear meters are positive displacement flowmeters where the passage of liquid causes two oval gears to rotate within a precision measuring chamber and with each rotation a fixed volume of liquid passes through the meter. Magnets embedded within the gears initiate a high resolution pulse train output. The pulse output can be wired directly to process control and monitoring equipment or can be used as an input to instruments supplied with or fitted directly onto the meter.

The flowmeter is available as a blind transmitter with pulse output capable of interfacing to most monitoring and control instrumentation or the meter can be fitted with or supplied with instruments such as totalisers, rate totalisers or batch controllers. These instruments also have monitoring and control output options including 4-20 mA, scaled pulse, flowrate alarms and batch control logic (preset metering).



This technology allows precise flow measurement and dispensing of most clean liquids regardless of their conductivity, with other liquid characteristics having no or minimal effect on meter performance. This metering technology does not require flow profile conditioning or straightline runs as required with alternative flow technologies making the installation relatively compact and low cost.

Positive displacement flowmeters are an inexpensive means to accurately meter high viscosity clean liquids as high as 1 million centipoises however, the appropriate meter must be sized so that the pressure drop across the primary measuring elements (oval rotor), does not exceed the maximum capability of either.

**Areas of Application**

For all viscous, non abrasive clean liquids like:

- Petroleum
- Oil
- Chemicals
- Grease
- Fuels
- Ink etc.
- Pastes
- Water

Stainless steel flowmeters are suited to most water based products and chemicals and aluminum meters are suitable for fuels, fuel oils & lubricating liquids.

**Technical Data**

**Material**

DOM-A05...DOM-A15

- Body: aluminium
- Gear wheels: sintered stainless steel 1.4401 (SS 316)
- Bearing: carbon ceramic

DOM-A20...DOM-A60

- Body/flanges: aluminium
- Gear wheels: aluminium
- Bearing: hardened steel rollers (only for lubricating fuels or oil)

DOM-S, DOM-H

- Body/flanges: stainless steel 1.4401 (SS 316)
- Gear wheels: sintered stainless steel 1.4401 (SS 316)
- Bearing: carbon ceramic

Optional rotor

material\*: Glass reinforced Polyphenylene Sulfide, PTFE filled (PPS)

O-Rings:

- FPM (standard): -15 ... +120 °C
- EPR (ethylene propylene rubber): -20 ... +120 °C (for ketones only)
- PTFE encapsulated FPM: -20 ... +120 °C
- NBR: -20 ... +100 °C

Cover:

glass reinforced nylon, stainless steel (options HE, DE)

Accuracy:

- ±1% of reading (DOM-x05...DOM-x15)
- ± 0.5% of reading (DOM-x20...DOM-x35)
- ± 0.5% of reading (DOM-x40...DOM-x60)
- ±1% of reading (option M)

Repeatability:

typ. ± 0.03 %

Protection class:

IP 66/67 (IP65 for M3, IP54 for M1)

Temperature range:

-20 °C... +80 °C for options L0, Z, B, M and -20 °C... +120 °C for pulse output, for options Z and B with cooling fins

Cable entry:

M20 x 1.5 (standard), ½" NPT adapter (option)

ATEX-approval

- (option Z4): II 2G EEx ia IIB T4 (-20 °C ≤ Ta ≤ +60 °C)
- (option HE, DE): II 2G Ex d IIB T6 (-20 °C ≤ Ta ≤ +70 °C)
- II 2G Ex d IIB T4 (-20 °C ≤ Ta ≤ +120 °C)
- I M2 Ex d I Mb (st. steel models only)

\*PPS rotors not available in all sizes see pages 5-6

**Maximum Pressure** (threaded version)

Model	Maximum pressure [bar]		
	DOM-A..	DOM-S..	DOM-H..
DOM-x05..	15	34	400
DOM-x10..	15	34	400
DOM-x15..	15	34	400
DOM-x20..	68 <sup>1)</sup>	68 <sup>1)</sup>	400
DOM-x25..	68 <sup>1)</sup>	68 <sup>1)</sup>	400
DOM-x30..	30	30	400 <sup>3)</sup>
DOM-x35..	20	38 <sup>2)</sup>	300 <sup>3)</sup>
DOM-x40..	20	-	-
DOM-x45..	12	12	-
DOM-x50..	12	-	-
DOM-x55..	10	-	-
DOM-x60..	10	-	-

with flanges, maximum pressure rating as above or as per flange rating, whichever is lower

<sup>1)</sup> restricted to max. 40 bar with options M1, M3

<sup>2)</sup> restricted to max. 30 bar with options M1, M3

<sup>3)</sup> only for non-dangerous fluids acc. to PED, Table 9, Group 2



**Recommended Filter**

DOM-x05... DOM-x15 < 75 µm micron (200 mesh)  
 DOM-x20... DOM-x35 < 150 µm micron (100 mesh)  
 DOM-x40... DOM-x60 < 350 µm micron (45 mesh)

**Pulse Output**

**Reed switch pulse output**

The reed switch output is a two wire normally open SPST voltage free contact ideal for installations without power or for use in hazardous area locations when Intrinsically Safe (I.S.) philosophy is adopted.

Note: when using the reed switch output the liquid temperature must not change at a rate greater than 10°C per minute. In general the reed switch life will exceed 2 billion actuations when switching less than 5V<sub>DC</sub>/10 mA.

**Power supply:** max. 30 V<sub>DC</sub>, max. 200 mA

**Hall effect sensor pulse output**

The hall effect sensor is a high resolution solid state 3 wire device providing an unsourced, open collector, NPN transistor output. The term “un-sourced” means that no voltage is applied to the output from within the flowmeter, it must be pulled to a “high” or “on” state by between 5 - 24 V<sub>DC</sub> supplied from an external source, typically the receiving instrument.

The pulse output between signal and -0 V is a voltage square wave with the high level being the DC voltage available at the open collector and the low level being -0 V.

The receiving instrument must incorporate a pull up resistor (typically greater than 10 kΩ in most instruments) which ties the open collector to the available DC voltage level when the hall sensor is not energized. When energized the open collector output is pulled to ground through the emitter (-0 V).

**Power supply:** max. 5-24 V<sub>DC</sub>, max. 20 mA

**Quadrature hall effect pulse output (...D0)**

Two hall effect sensors arranged to give separate outputs out of phase with one another.

The quadrature output is typically suited to custody transfer applications where signal integrity verification is required, it is also used for metering bi-directional flow.

**Power supply:** max. 8 - 24 V<sub>DC</sub>, max. 20 mA

**Mechanical totaliser (...M1 and ...M3)**

The flowmeters type DOM-x20 up for DOM-x60 are available with a mechanical totaliser with either 3- or 4-digit resettable totaliser and indication of accumulated total value. The motion of the rotors is transmitted to the mechanical register totaliser via an interfacing reduction gear train and dynamic seal assembly. For models DOM×20... DOM×25... resettable total reads in ×1 litre. For DOM×30... DOM×60... resettable total reads in ×10 litres.

**Option LO/LE**

Output: Analogue 4 - 20 mA, Loop powered (600 Ω max. drive capability @ 28 V<sub>DC</sub>)

Loop powered voltage: 1) 18 - 25 V<sub>DC</sub> continuous (24 V<sub>DC</sub> recommended)  
 2) max. peak voltage 28 V<sub>DC</sub>

Accuracy: ±0.5% of span  
 Response programmable: 1 ... 9 s  
 Resolution: 8 bit (62 µA increments)

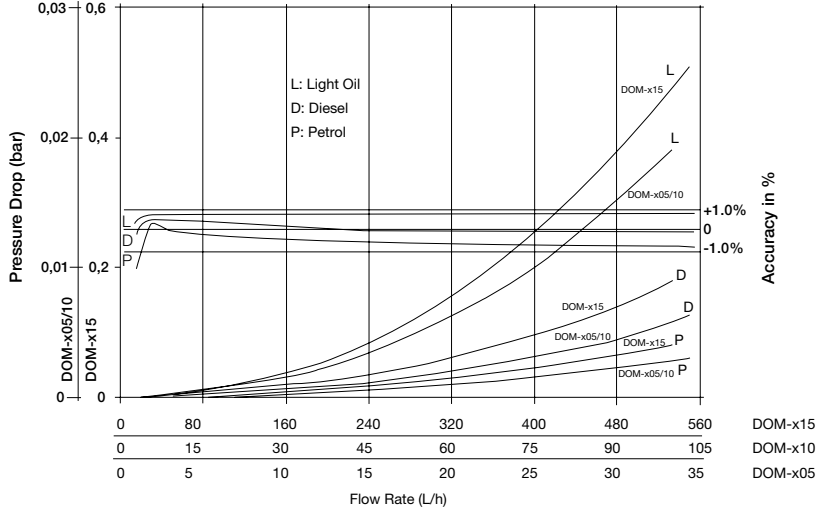
**Electronic with LCD display**

Model	..Z1	..Z3	..Z7	..B1
function	dual totaliser	rate totaliser	rate totaliser	batch controller
<b>Power source</b>				
battery-powered	yes	yes	yes	no
external (drives output, backlighting)	8 - 24 V <sub>DC</sub>	8 - 24 V <sub>DC</sub>	8 - 24 V <sub>DC</sub>	12 - 24 V <sub>DC</sub>
<b>LCD display</b>				
-line 1/ no. of digits	7.5 mm/5	9 mm/8	17 mm/6	9 mm/8
-line 2/ no. of digits	3.6 mm/8	–	7 mm/8	–
selectable units	yes	yes	yes	yes
decimal point	yes	yes	yes	yes
subscripts displayed	yes	yes	yes	yes
accumulative total	yes	yes	yes	yes
resettable total	yes	yes	yes	no
linearisation	no	yes	no	no
rate display	no	yes	yes	no
backlighting	no	no	yes	no
<b>Input type</b>				
un-powered sensors	see ZOD datasheet			
powered sensors	see ZOD datasheet			
<b>Outputs</b>				
4-20 mA (750 Ω)	no	yes	no	no
high/low flow alarm	no	NPN/PNP	no	no
batch end & control	no	no	no	NPN/PNP
pulse outputs	NPN/PNP	NPN/PNP	NPN	NPN/PNP
2 x SPDT relays	no	optional*	no	optional*
<b>Installation</b>				
IP 66/67	yes	yes	yes	yes
cable entries	1 x gland (meter mount) 2 x glands (remote)	3 x M 20	3 x M 16	3 x M 20
intrinsic safe (option)	no	yes	no	no
mounting	meter mount, wall, pipe or panel mounting			
temperature range	-20 ... +80 °C (Option: -20 ... +120 °C)			

\*replaces solid state outputs

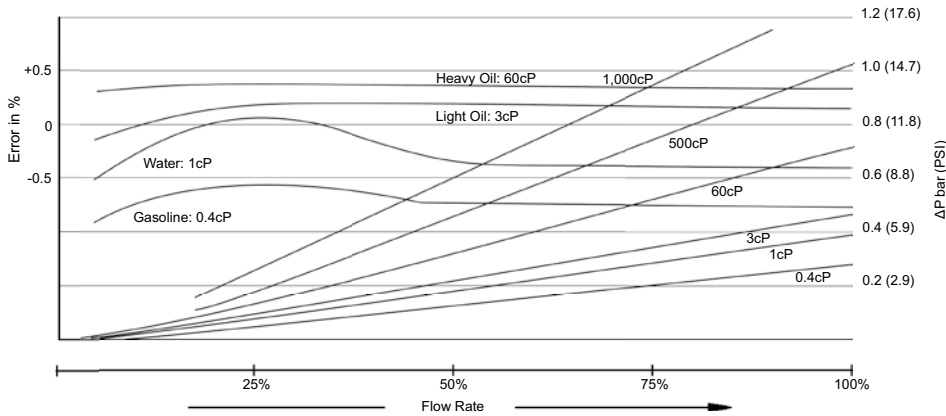


**Accuracy and Pressure Drop for DOM-x05/10/15...**

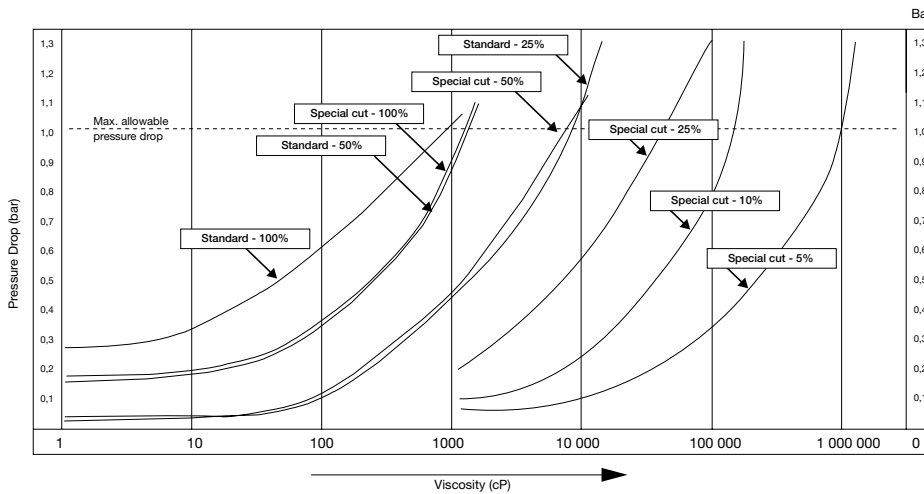


**Accuracy and Pressure Drop for DOM-x20... and above**

(Note: can also be used for DOM-X05/10/15 for different fluids or viscosities not specifically covered in top graph)



**Pressure Drop Curves for Standard and Special Cut Rotors (option "S") in %age of max. Flow**



**Pressure drop limit verses flowrate**

The curves above represent the pressure drop for standard and special cut high viscosity oval rotors at various viscosities. Special cut rotors have alternate tooth relieve which

effectively reduces the pressure drop by 50%. When sizing a meter, be sure your selection falls on or below the 1 bar maximum allowable pressure drop line on the graph.



**Maximum Flowrate Multiplier** (for higher viscosities)

Viscosities (cP)	Standard rotor	Special cut rotor
≤ 1 000	1	1
≤ 2 000	0.5	1
≤ 4 000	0.42	0.84
≤ 6 000	0.33	0.66
≤ 8 000	0.25	0.5
≤ 30 000	0.15	0.3
≤ 60 000	0.12	0.25
≤ 150 000	0.1	0.2
≤ 250 000	0.05	0.1
≤ 1 000 000	0.025	0.05

**Special cut rotors for higher viscosities**

For viscosity > 1000 cP, special cut rotors option "S" should be used to reduce pressure drop. This applies to DOM-x15 and larger sizes. For higher viscosities, the flowmeter max. Flowrate is de-rated according to the attached chart. Example: DOM-x25 measuring oil at 8000 cP, max. flow 150 LPM x 0.5 = 75 LPM new maximum flow rate.

**Output Pulse Resolution**

Model	Measuring range [l/min]	Pulse / litre			
		Reed switch	Hall sensor	Quadr. hall sensor	HR hall sensor
DOM-x05	0.5-36 l/h	2800	2800	2800	11 200
DOM-x10	2-100 l/h	1050	1050	1050	4200
DOM-x15	15-550 l/h	355	710	710	-
DOM-x20	1-40	83	166	166	-
DOM-x25	10-150	27	107	53.5	-
DOM-x30	15-250	13	52.6	26.3	-
DOM-x35	30-450	6.5	26	13	-
DOM-x40	50-580	4.93	19.73	9.86	-
DOM-x45	35-750	2.32	9.3	4.65	-
DOM-x50	50-1000	1.55	6.2	3.1	-
DOM-x55	75-1500	1.1	4.4	2.2	-
DOM-x60	150-2500	0.56	2.24	1.12	-

**Order Details Thread Connection** (Example: DOM-A05H R1 1 H0 0)

Meas. range [l/min]	Conne- tion female	Housing material		O-ring material	Electronics	Option
		Aluminium	Stainless steel			
0.5 - 36 l/h	G 1/8	DOM-A05H R1	DOM-S05H R1	1 = FPM (standard) 2 = EPR 3 = PTFE encaps. FPM 4 = NBR	R0 <sup>4)</sup> = Reed switch pulse output H0 = Hall sensor (NPN)/ reed switch pulse output HE = as HO + ATEX (Exd) D0 = Quad Hall sensor 2 phased outputs (NPN) DE = as DO + ATEX (Exd) G0 <sup>5)</sup> = high resolution hall sensor (NPN) GE <sup>5)</sup> = G0 + ATEX T0 <sup>7)</sup> = 150 °C hall sensor L0 = 4...20 mA loop powered analogue output LE = as LO + ATEX (Exd) LR <sup>5)</sup> = L0 + G0 Z1 = dual LCD totaliser, pulse output (ZOD-Z1) Z3 = LCD totaliser, rate, outputs: 4-20 mA, alarm, pulse (ZOD-Z3) Z4 = Electronics "Z3" + ATEX (Exi) Z7 = dual LCD totaliser/rate, outputs: pulse (ZOD-Z7) B1 = LCD batch controller, totaliser, pulse output (ZOD-B1) M1 = mech. totaliser 3-digit <sup>1)</sup> M3 = mech. totaliser 4-digit <sup>1)</sup> XX = special option, specified in clear text	0 = without A <sup>2)</sup> = coupled with air eliminator-strainer ZAL C = cooling fin for LCD electronic D <sup>2)</sup> = option A + C R <sup>2)</sup> = option A + check valve E <sup>2)</sup> = option R + C S <sup>3)</sup> = special cut rotors for higher viscosities Y = special option (specify in clear text) P <sup>6)</sup> = increased pressure rating
2 - 100 l/h	G 1/4	DOM-A10H R2	DOM-S10H R2			
15 - 550 l/h	G 3/8	DOM-A15H R3	DOM-S15H R3			
1 - 40	G 1/2	DOM-A20H R4	DOM-S20H R4			
10 - 150	G 1	DOM-A25H R6	DOM-S25H R6			
15 - 250	G 1 1/2	DOM-A30H R8	DOM-S30H R8			
30 - 450	G 2	DOM-A35H R9	DOM-S35H R9			
50 - 580	G 2	DOM-A40H R9	-			
35 - 750	G 3	DOM-A45H RB	DOM-S45H RB			
50 - 1000	G 3	DOM-A50H RB	-			
75 - 1500	G 4	DOM-A55H RC	-			
150 - 2500	G 4	DOM-A60H RC	-			

For NPT connection change "DOM-xxxx Rx..." into "DOM-xxxx Nx"

For PPS rotors (PTFE filled) change "DOM-Axxxx" into "DOM-7xxxx" and "DOM-Sxxxx" into "DOM-8xxxx"

PPS rotors not possible for "DOM-x05,-x10,-x40,-x60, temperature rating for DOM-715...DOM-815 reduced to 80 °C"

<sup>1)</sup> not for DOM-x05, -x10, -x15, 3-digit recommended for DOM-x20, 4-digit recommended for DOM-x25 and larger See page 3 for minimum total increments

<sup>2)</sup> not available for DOM-x05, -x10, -x15, -x20, only available for DOM-A.. Option 'R' not available with DOM-A25..

<sup>3)</sup> only available for DOM-A15.. to DOM-A60.., DOM-S15.. to DOM-S45, DOM-720... DOM-735..., DOM-745... DOM-755 and DOM-820... DOM-845...

<sup>4)</sup> should be chosen when using DOM intrinsically safe circuits as "simple apparatus"

<sup>5)</sup> only available for DOM-x05... DOM-x10 <sup>6)</sup> only available for DOM-S05... DOM-S25, DOM-805... DOM-825 increases pressure rating to 100 bar

<sup>7)</sup> only available for DOM-A05... DOM-A45 and DOM-S05... DOM-S45



**Order Details Flange Connection (Example: DOM-A45H FB 1 Z3 C)**

Meas. range [l/min]	Connection DIN flange PN16	Housing material		O-ring material	Electronics	Option
		Aluminium	Stainless steel			
10 - 150	DN 25/1"	DOM-A25H F6	DOM-S25H F6	1 = FPM (standard) 2 = EPR 3 = PTFE encaps. FPM 4 = NBR	<b>R0</b> <sup>3)</sup> = Reed switch pulse output <b>H0</b> = Hall sensor (NPN)/ reed switch pulse output <b>HE</b> = as HO + ATEX (Exd) <b>D0</b> = Quad Hall sensor 2 phased outputs (NPN) <b>DE</b> = as DO + ATEX (Exd) <b>T0</b> <sup>4)</sup> = 150 °C hall sensor <b>LO</b> = 4 ... 20 mA loop powered analogue output <b>LE</b> = as LO + ATEX (Exd) <b>Z1</b> = dual LCD totaliser, pulse output (ZOD-Z1) <b>Z3</b> = LCD totaliser, rate, outputs: 4-20 mA, alarm, pulse (ZOD-Z3) <b>Z4</b> = Electronics "Z3" + ATEX (Exi) <b>Z7</b> = dual LCD totaliser/rate, outputs: pulse (ZOD-Z7) <b>B1</b> = LCD batch controller, totaliser, pulse output (ZOD-B1) <b>M1</b> = mech. totaliser 3-digit <sup>1)</sup> <b>M3</b> = mech. totaliser 4-digit <sup>1)</sup> <b>XX</b> = special option, specified in clear text	<b>0</b> = without <b>A</b> <sup>2)</sup> = coupled with air eliminator-strainer ZAL <b>C</b> = cooling fin for LCD electronic <b>D</b> <sup>2)</sup> = option A + C <b>R</b> <sup>2)</sup> = option A + check valve <b>E</b> <sup>2)</sup> = option R + C <b>S</b> = special cut rotors for higher viscosities <b>Y</b> = special option (specify in clear text)
15 - 250	DN 40/1½"	DOM-A30H F8	DOM-S30H F8			
30 - 450	DN 50/2"	DOM-A35H F9	DOM-S35H F9			
50 - 580	DN 50/2"	DOM-A40H F9	-			
35 - 750	DN 80/3"	DOM-A45H FB	DOM-S45H FB			
50 - 1000	DN 80/3"	DOM-A50H FB	-	1 = FPM (standard) 2 = EPR 4 = NBR		
75 - 1500	DN 100/4"	DOM-A55H FC	-			
150 - 2500	DN 100/4"	DOM-A60H FC	-			

ANSI-150 RF flange change "DOM-xxxx Fx..." into "DOM-xxxx Ax". ANSI-300 RF flange change "DOM-xxxx Fx..." into "DOM-xxxx Bx" (only 1", 1½, 2")  
 For PPS rotors (PTFE filled) change "DOM-Axxxx" into "DOM-7xxxx" and "DOM-Sxxxx" into "DOM-8xxxx".

PPS rotors not possible for "DOM-x40, -x60"

<sup>1)</sup> 4-digit recommended for DOM-x25 and larger; <sup>2)</sup> only available for DOM-A... Option 'R' not available with DOM-A25...

<sup>3)</sup> should be chosen when using DOM intrinsically safe circuits as "simple apparatus"

<sup>4)</sup> only available for DOM-A25... DOM-A45 und DOM-S25... DOM-S45

**Order Details High Pressure (Example: DOM-H35H R9 1 R0 S)**

Meas. range [l/min]	Connection	Housing material stainless steel	O-ring material	Electronics	Option
0.5 - 36 l/h	G ⅜	DOM-H05H R1	1 = FPM (standard) 2 = EPR 3 = PTFE encaps. FPM 4 = NBR	<b>H0</b> = Hall sensor pulse output (NPN) <b>HE</b> = as HO + ATEX (Exd) <b>R0</b> <sup>3)</sup> = pulse output (reed switch) <b>G0</b> <sup>2)</sup> = high resolution hall sensor NPN <b>GE</b> <sup>2)</sup> = GO + ATEX <b>L0</b> <sup>2)</sup> = 4 ... 20 mA loop powered analogue output <b>LE</b> <sup>2)</sup> = as LO + ATEX (Exd) <b>LR</b> <sup>2)</sup> = L0 + G0 <b>Z1</b> = dual LCD totaliser, pulse output (ZOD-Z1) <b>Z3</b> = LCD totaliser, rate, outputs: 4-20 mA, alarm, pulse (ZOD-Z3) <b>Z4</b> = Electronics "Z3" + ATEX (Exi) <b>Z7</b> = dual LCD totaliser/rate, outputs: pulse (ZOD-Z7) <b>B1</b> = LCD batch controller, totaliser, pulse output (ZOD-B1) <b>XX</b> = special option, specified in clear text	<b>0</b> = without <b>C</b> = cooling fin for LCD electronic <b>S</b> <sup>1)</sup> = special cut rotors for higher viscosities <b>Y</b> = special option (specify in clear text)
2 - 100 l/h	G ¼	DOM-H10H R2			
15 - 550 l/h	G ¼	DOM-H15H R2			
1 - 40	G ½	DOM-H20H R4			
10 - 150	G 1	DOM-H25H R6			
15 - 250	G 1½	DOM-H30H R8			
30 - 450	G 2	DOM-H35H R9			

For NPT connection change "DOM-xxxx Rx..." into "DOM-xxxxNx".

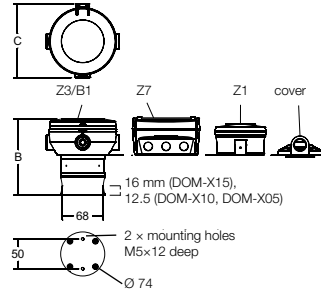
For PPS rotors (PTFE filled) change "DOM-Hxxxx" into "DOM-9xxxx" PPS rotors not possible for "DOM-H05xxxx and DOM-H10xxxx"

<sup>1)</sup> only available for DOM-H15... to DOM-H35... and DOM-920... to DOM-935 <sup>2)</sup> only available with DOM-H05... and DOM-H10...

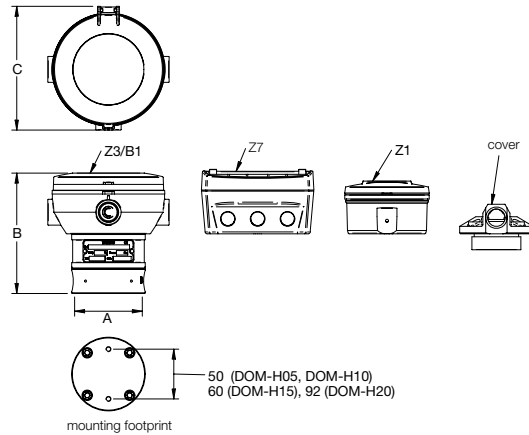
<sup>3)</sup> should be chosen when using DOM intrinsically safe circuits as simple apparatus

**Dimensions for DOM-A(S)...**

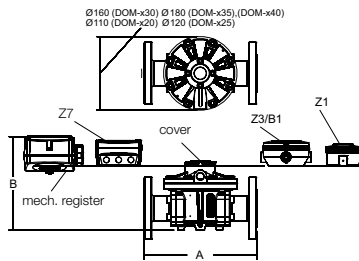
**DOM-x05 .... DOM-x15**



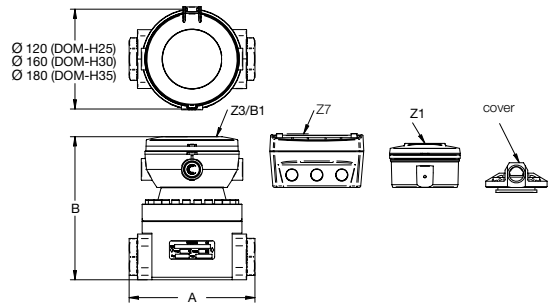
**DOM-H05 .... DOM-H20**



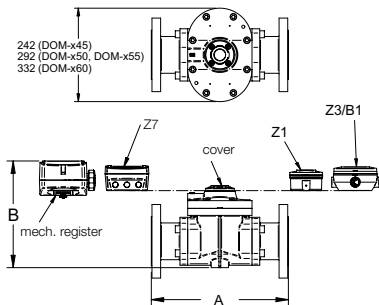
**DOM-x20 .... DOM-x40**



**DOM-H25 .... DOM-H35**



**DOM-x45 .... DOM-x60**



**Dimensions for DOM-A(S)[H]... (± 2 mm)**

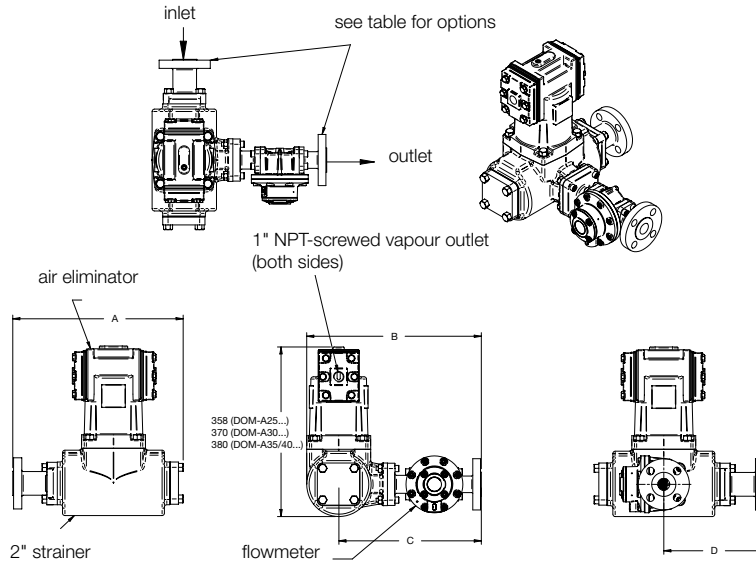
Model	A (mm)		B (mm)					C (mm)			
	Thread connection	Flange connection	Cover	Z1 <sup>1)</sup>	Z3, B1 <sup>1)</sup>	Z7 <sup>1)</sup>	M3	Cover	Z1	Z3, B1	Z7
DOM-x05	- [68]	-	92	113 [113]	121 [121]	125 [125]	-	72 [74]	94 [94]	124 [124]	96 [96]
DOM-x10	- [68]	-	92	113 [113]	122 [122]	125 [125]	-	72 [74]	94 [94]	124 [124]	96 [96]
DOM-x15	- [95]	-	99 [119]	120 [140]	128 [148]	132 [152]	-	72 [100]	94 [100]	124 [124]	96 [100]
DOM-x20	110 [112]	-	105 [100] [124]	145 (140) [145]	153 (148) [153]	157 (152) [157]	180 (175)	[120]	[120]	[124]	[120]
DOM-x25	137 <sup>2)</sup> [151]	198 <sup>2)</sup>	123 [142]	163 [163]	171 [171]	175 [175]	194	-	-	-	-
DOM-x30	188 [218]	252	155 [146] [184]	195 (186) [205]	203 [194] [213]	207 (198) [217]	230 (221)	-	-	-	-
DOM-x35	212 [236]	277	170 [204]	210 [225]	218 [233]	222 [237]	239	-	-	-	-
DOM-x40	212	277	220	260	268	272	290	-	-	-	-
DOM-x45	266	354	212 (209)	252 (249)	260 (257)	264 (261)	277 (273)	-	-	-	-
DOM-x50	294	382	229	269	277	281	293	-	-	-	-
DOM-x55	294	388	274	314	322	326	338	-	-	-	-
DOM-x60	320	414	352	391	399	403	418	-	-	-	-

Note: Dimensions for DOM-S... are specified in ( ) only when they are different from DOM-A, Dimensions of DOM-H... are specified in [ ].

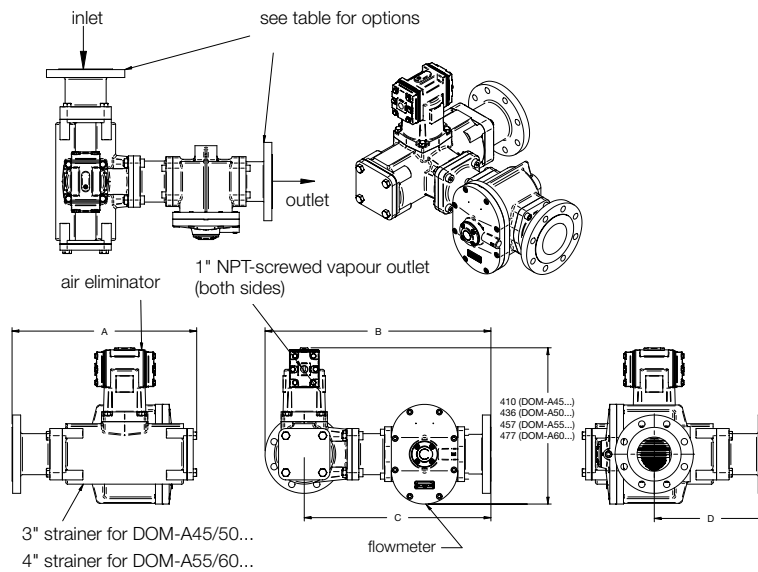
<sup>1)</sup> For all DOM meters fitted with LCD electronics Z1, Z3, Z7, or B1 with cooling fin option, dimension 'B' is 18 mm greater.

<sup>2)</sup> For DOM-S25 meters purchased before 01/06/14 the 'A' dimension is 39 mm longer.

Dimensions for DOM-A25... DOM-A40 with option "A"



Dimensions for DOM-A45... DOM-A60 with option "A"



Dimensions for DOM-A... with option "A" (± 2 mm)

Model	Thread connection (G or NPT)				Flanged connection (DIN PN16 or ANSI 150RF)			
	A	B	C	D	A	B	C	D
DOM-A25	298	338	270	151	360	368	300	213
DOM-A30	288	400	291	141	360	432	363	213
DOM-A35	300	429	353	141	360*	459*	383*	213*
DOM-A40	300	429	353	141	360*	459*	383*	213*
DOM-A45	326	507	439	161	421	578	483	265
DOM-A50	326	535	467	161	421	606	511	265
DOM-A55	439	586	499	219	540	660	546	329
DOM-A60	439	612	525	219	540	686	572	329

\* +1 mm for DIN flanges