

Product description  
**Modular  
divider SDM**

## DESCRIPTION

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Measuring dividers are the essence of dualine lubrication systems. They are mounted close to the lubrication points and hydraulically operated by pressure from the first and then the second of the two supply lines. On each pressurisation cycle, they indirectly discharge fixed volumes of lubricant to the bearing etc.

The modular dividers have many advantages over traditional line mounted models. All working parts are in the module. The modules are fitted to adaptors which are permanently piped up in the centralised lubrication system. The single discharge module SDM feeds a single lubrication point on each cycle.

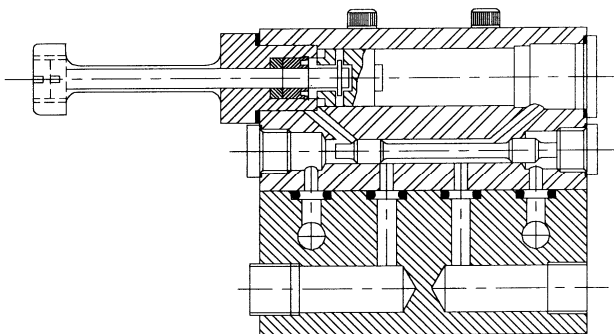
A mixture of double and single discharge modules can be fitted to each adaptor either for assembly to serve an odd number of bearings or to give a greater lubricant quantity to selected points.

Two sizes of module can be supplied to cover a wide range of metered application volumes.

## BENEFITS

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- Each module can be steplessly individually adjusted within its capacity to suit the bearing requirements.
- All moving points are contained in the module.
- A malfunctioning module can be changed in seconds reducing maintenance time and costs.
- Positive hydraulic operation. Within design limitations, these divider assemblies can be mounted many metres from the pump unit.
- Visible indicator showing operation of each module.
- Body protected by corrosion resistant electrophoretic paint.
- Supplied complete with 'O' rings and stainless steel mounting screws.



SDM Modular Assembly (2 window version)

**A. DIVIDER TYPE** **Code**

SDM

**B. METERED VOLUME** **Code**

SDM 1 (0.2 – 2 cm <sup>3</sup> )	02
SDM 5 (1 – 10 cm <sup>3</sup> )	05
SDM15 (6 – 30 cm <sup>3</sup> )	15

**C. REVISION** **Code**

Status A	A
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**D. METERING** **Code**

without	00
Motion indicator with cover SDM 1 (3 window version, adjustable dosing)	01
Motion indicator with cover SDM 5 (3 window version, adjustable dosing)	05
Motion indicator with cover SDM 15 (3 window version, adjustable dosing)	15
Motion indicator with cover SDM 1 (2 window version, adjustable dosing)	21
Motion indicator with cover SDM 5 (2 window version, adjustable dosing)	25

**E. ACCESSORIES** **Code**

without	00
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**SPECIFICATION**

<b>Max. Supply Pressure</b>		350 bar
<b>Temperature Range</b>		-20°C to + 80°C (with standard cover cap) Applications at higher temperature on request.
<b>Lubricant</b>		Oil or grease (No. 3 N.L.G.I. max.)
<b>Materials</b>	<b>Body</b>	Steel - Electrophoretically painted
	<b>Pistons</b>	Hardened steel
	<b>Packing Gland</b>	SDM 1 - Brass SDM 5 - Brass SDM15 - Steel
	<b>Seals</b>	SDM1/SDM5 - Viton SDM15 - Nitrile
	<b>Indicator Stem</b>	Stainless steel

Divider Size	Discharge Per Outlet Per Double Cycle (cm <sup>2</sup> )	
	Maximum	Minimum
SDM 1	2.0	0.2
SDM 5	10.0	1.0
SDM15	30.0	6.0

## ORDERING

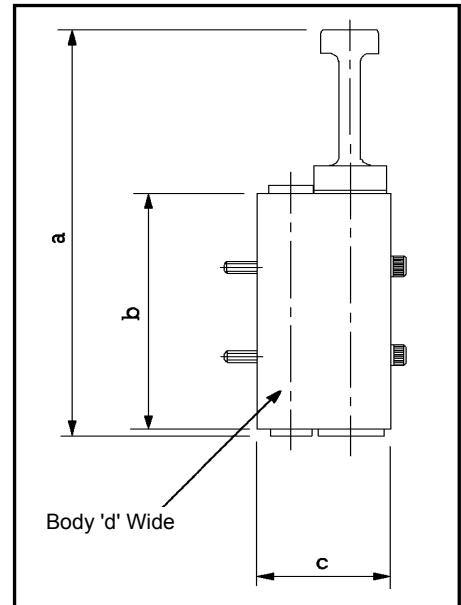
Divider Model	Stock Code	Weight (kg)
SDM1	17510	0.29
SDM5	17550	0.76
SDM15	17570	2.15
SDM1 Blank	17516	0.27
SDM5 / SDM15 Blank	17556	0.71

## MOUNTING

Each module is supplied with four Viton 'O' rings and four M4 stainless steel socket headed cap screws to enable it to be fitted to the selected manifold adaptor.

## DIMENSIONS

Model	Dimensions			
	a	b	c	d
SDM1	91	57	30	25
SDM5	140	80	38	31
SDM15	157	88.9	39.7	76.2



## EXAMPLE OF ORDERING

		Code									
		S	D	M	0	2	A	0	1	0	0
Divider type SDM	Code: SDM	_____		_____		_____		_____		_____	
Metered volume 0.2 – 2 cm <sup>3</sup>	Code: 02	_____		_____		_____		_____		_____	
Revision Status A	Code: A	_____		_____		_____		_____		_____	
Metering Motion indicator with cover SDM 1 (3 window version, adjustable dosing)	Code: 01	_____		_____		_____		_____		_____	
Accessories without	Code: 00	_____		_____		_____		_____		_____	

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*Für reibungslose Bewegung  
For smooth motion*