Product description :

SLR Quick to Connect Meter Units :

DESCRIPTION

SLR meter units are oil proportioning devices for cyclic systems. Each outlet of the lubricating system is controlled by a meter unit. The lubricator in the system dispenses a define amount of oil to the distribution system and meter units deliver this oil in varying amounts to the lubication points.

There are five different options available:

QSB Inlet Port 4mm Quick Connect, Outlet Port 1/8 BSPT
QMB Inlet Port M8 x 1, Outlet Port 4mm Quick Connect
QQB Inlet Port 4mm Quick Connect, Outlet Port 4mm Quick connect
QSA Inlet Port 4mm Quick Connect, Outlet Port 1/8 NPT
QJB Inlet Port 5/16-24, Outlet Port 4mm Quick Connect

OPERATION

Each Meter Unit has an integrated non return valve fitted to ensure that the oil will flow in one direction only. The direction of flow is indicated on each unit by an arrow. The quantity of oil can vary depending on the Metering unit. Standard flow rates range from 00 (medium slow) to 3 (fast). For special situations, 3/0 (slow) and 5 (extra, extra fast) rates are available. Each incremental increase in rate size doubles the oil flow to a given point.

To calculate the total flow rate of a system or through a Meter Unit :

D = Flow in CC/min V = Viscosity in Cst at 40°C
P = Pressure in Bar R = Resistance Coefficient *

$$D = \frac{P * R * 3.077}{V}$$

To calculate the total work flow of a system add all the 'R' (Resistance Coefficient) together.

HOW TO ORDER

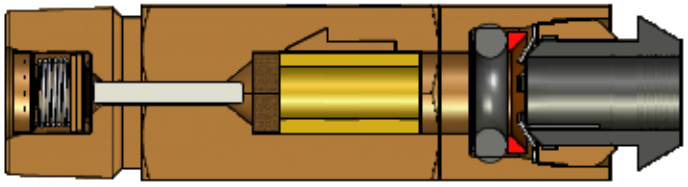
Use the references below :

Reference

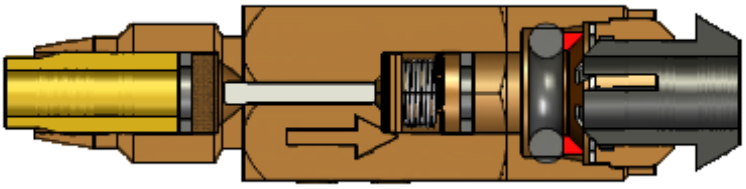
Flow ratio	QSB Series	QMB Series	QQB Series	QSA Series	QJB Series	Resistance coefficient R
0,5	QSB 3/0	QMB 3/0	QQB 3/0	QSA 3/0	QJB 3/0	1,2
1	QSB 00	QMB 00	QQB 00	QSA 00	QJB 00	2,5
2	QSB 0	QMB 0	QQB 0	QSA 0	QJB 0	5
4	QSB 1	QMB 1	QQB 1	QSA 1	QJB 1	10
8	QSB 2	QMB 2	QQB 2	QSA 2	QJB 2	20
16	QSB 3	QMB 3	QQB 3	QSA 3	QJB 3	40
32	QSB 5	QMB 4	QQB 4	QSA 4	QJB 4	80
64	QSB 5	QMB 5	QQB 5	QSA 5	QJB 5	160

CROSS SECTION OF A METER UNIT

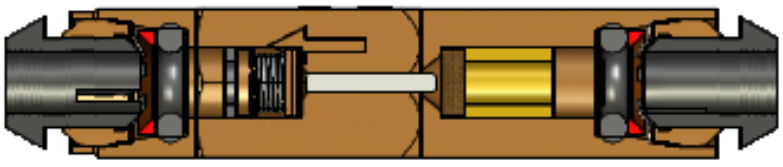
QSB-QSA



QMB-QJB

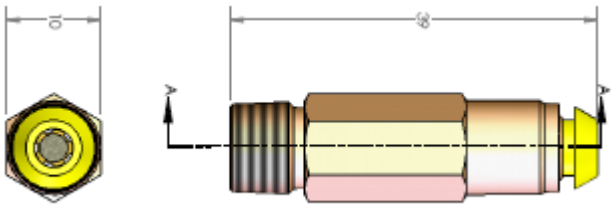


QQB

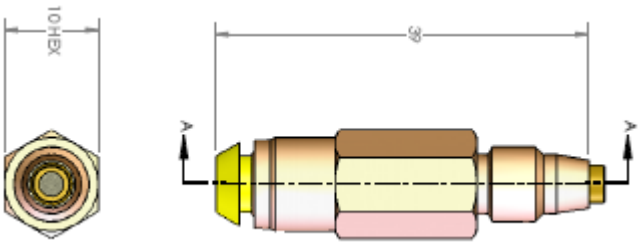


DIMENSIONAL SCHEMATIC'S

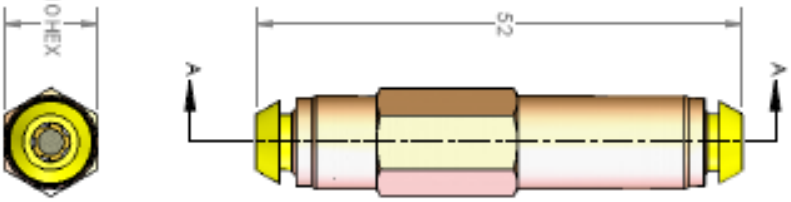
QSB-QSA



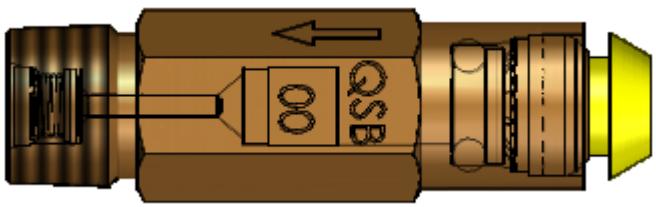
QMB-QJB



QQB



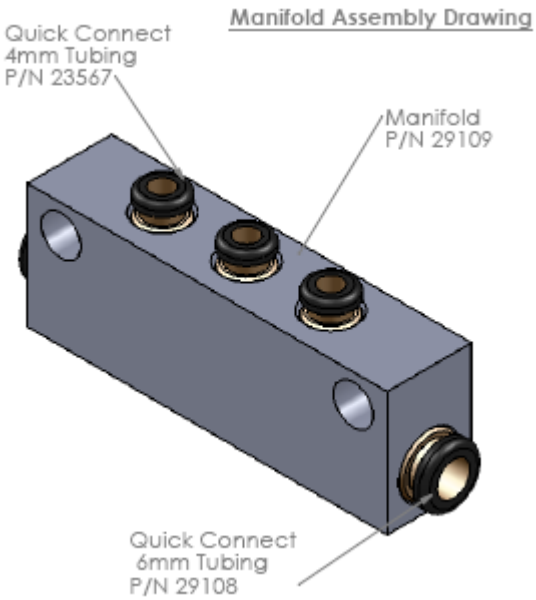
THE DRAWING BELOW SHOWS THE ARROW WHICH INDICATES THE DIRECTION OF FLOW AND IT ALSO SHOWS THE TYPE OF METER UNIT 'QSB 00'.



JUNCTIONS

Junctions are used in lubrication systems for easy branching of tubing lines from two to multiple outlets.

Both the inlet ports are suitable for 6mm OD tubing, the outlet ports are suitable for 4mm OD tubing.



Description	Reference	Length	Width	Height	Distance between fixing holes
Junction 2 outlets	60330-2	49 mm	15 mm	22 mm	37 mm
Junction 3 outlets	60330-3	63 mm	16 mm	23 mm	52 mm
Junction 4 outlets	60330-4	78 mm	17 mm	24 mm	67 mm
Junction 5 outlets	60330-5	93 mm	18 mm	25 mm	82 mm
Junction 6 outlets	60330-6	108 mm	19 mm	26 mm	97 mm

Fixed by an M 5 screw

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