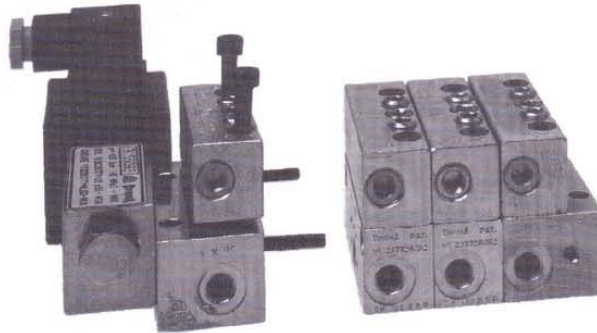


MODULAR "SM0-SMX" - SECOND GENERATION

SHUT OFF VALVE  
THE PROGRAMMABLE PROGRESSIVE  
LUBRICATION SYSTEM



- FUNCTIONALITY
- RELIABILITY
- PROGRAMMABILITY
- OPERATING PRESSURE UP TO 5800 psi. (400 bar)

Are the main features of DROPSA  
"SHUT OFF" VALVE

"SHUT OFF" VALVE is the basic component to transform a standard progressive lubrication system into the "New programmable system"

The "SHUT OFF" VALVE comprises a solenoid valve and a special SMX modular base. This assy. replaces the initial base on a standard SMX progressive block.

All the other elements such as metering valves, intermediate bases and final base are the same as the modular SMX system.

"SHUT OFF" VALVES are available in BSP or NPTF threads.

UNI-ISO 7/1 (BSP) Part. No.	NPTF Part. No.	Voltage Frequency
3155093	3155085	110V - 50/60 Hz
3155097	3155087	220V - 50/60 Hz
3155094	3155086	12V dc
3155092	3155084	24V dc

**ADVANTAGES OF PROGRESSIVE LUBRICATION SYSTEM FITTED WITH "SHUT OFF" VALVE**

It is possible to section the installation in sectors with different lubrication cycles

SHUT OFF valve makes it possible to programme the amount of lubricant and the intervals of lubrication according to the requirements of different parts of the machine.

**Operation with oil or grease at a pressure of 400 bar.**  
This valve is suitable for either light oil (min. viscosity of 15cSt) or thick grease (density up to NLGI 3) can operate at a pressure of 400 bar.

**Reduction of pressure drop**

The standard progressive system is comparable to series circuitry in electricity. The lubricant flow operates a series of valves in succession and this reduces step by step the operating pressure and limits the length of the installation. The "SHUT OFF" valve permits the design of installations with extended lines and many valves.

**Quick location of faulty valve**

An indicating micro switch mounted on the progressive block permits location of the damaged section of the installation.

**Interchangeability of bases and metering valves thanks to the modular concept**

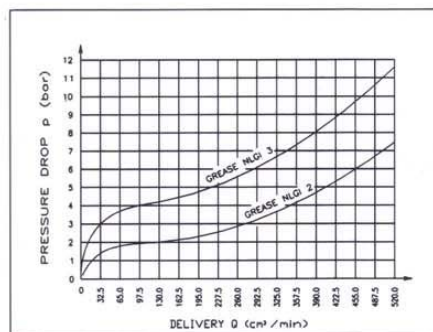
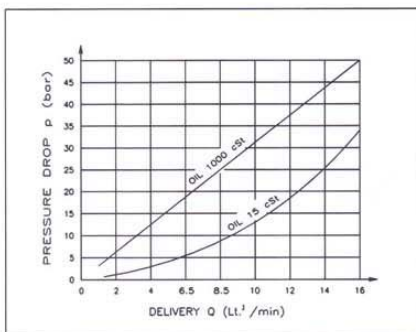
The metering valve can be serviced without disturbing the pipework.  
The installation can be easily extended or modified.



## MODULAR "SM0-SMX" - SECOND GENERATION

### SHUT OFF VALVE

Graphs of pressure drop according to the delivery



#### TECHNICAL CHARACTERISTICS

Max. pressure: Oil (min. viscosity 15 cSt)  
Grease max. density NLGI 3 at operating temperature.

**Operating temperature:** from -20°C up to +100°C  
(from -4°F up to +212°F)

**Voltage:** 12V dc; 24V dc; 110V ac 50/60 Hz; 220V ac 50/60 Hz. (specify current and voltage when ordering).

**Power:** 43 Watt (dc) 8 VA (ac)

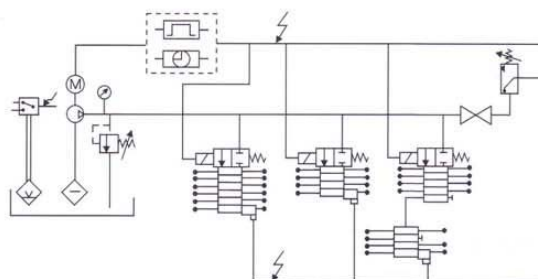
**Type of connection:** IP65 (electric connections)

**Protection degree:** IP54 (coil)

**Lubricant inlet:** Rp 1/4 UNI-ISO 7/1 or 1/4 NPTF

**Lubricant outlet:** Rp 1/8 UNI-ISO 7/1 or 1/8 NPTF

#### APPLICATION EXAMPLE

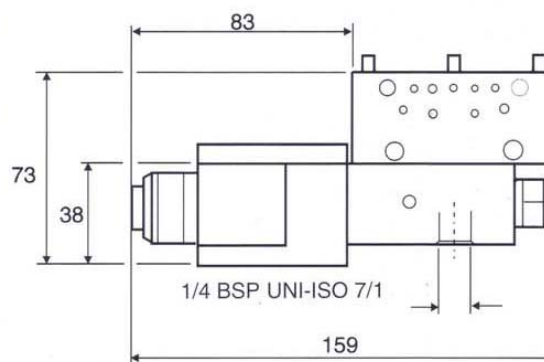


Each section of the system gets the lubricant directly from the main line through a shut-off valve driven by an electronic controller with timer or cycle counter.

#### BASE ASSY. WITHOUT INLET BASE

No. of SNX metering unit	Base assy.		No. of SMX metering unit	Base assy.	
	UNI-ISO	NPTF		UNI-ISO	NPTF
3	641561	643568	12	641989	643768
4	641981	643760	13	641990	643769
5	641982	643761	14	641991	643770
6	641983	643762	15	641992	643771
7	641984	643763	16	641993	643772
8	641985	643764	17	641994	643773
9	641986	643765	18	641995	643774
10	641987	643766	19	641996	643775
11	641988	643767	20	641997	643776

#### DIMENSIONS



#### HOW TO ORDER A DISTRIBUTOR WITH SHUT OFF VALVE

- 1) Indicate the SHUT OFF valve code according to the voltage and thread (See table in the previous page)
- 2) Indicate the base assy. code according to the number of metering units to be mounted (See above table)
- 3) Indicate the codes of SMX metering units or state the delivery and other information as shown on page 18.