



## OLAER (Schweiz) AG

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## Safety unit General

### Description

**OSP 705**

The OLAER safety unit has the functions of safety shut-off, block and discharge of the hydropneumatic accumulator and the system to which it is connected.

It meets international safety regulations and specifications for hydropneumatic accumulators, in particular the pressure vessel regulations in force in Germany.

#### The safety unit comprises of:

- Valve assembly, built into which are:
- Pressure control valve
- Main stop valve
- Hand-operated release valve or electromagnet-operated two-way cock
- Manometer connector

#### Advantages:

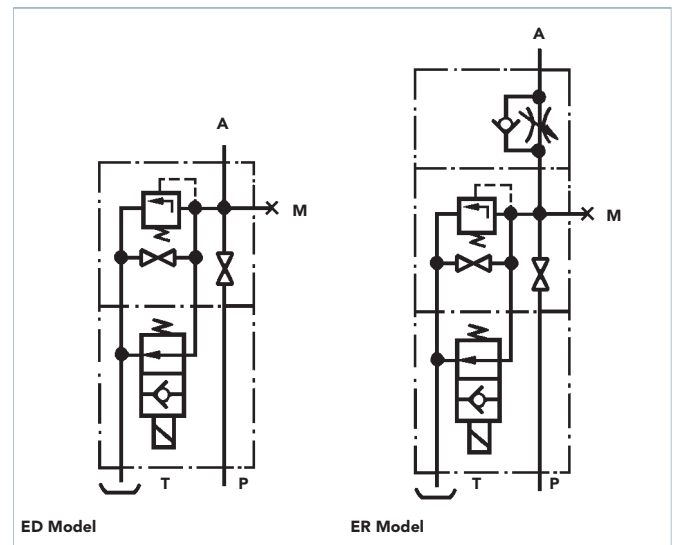
- Compact construction: all elements in the one single unit
- Minimal space requirements
- Shorter assembly time
- Fast and simple disassembly of the accumulator from the system (also during system operation) thanks to a flange connector or double nipple between the unit and the accumulator.
- Flow speed control of the hydraulic fluid flow rate to/from the accumulator through the installation of regulating valves.
- Enables the control and change of the accumulator pre-charge pressure during system operation.

#### Manual Discharge and regulating Valve (MR)

A regulating valve is fitted between the unit and the connector flange (on the accumulator), which allows the hydraulic fluid flow rate (in/out) to be controlled.

#### Electrical Discharge (ED)

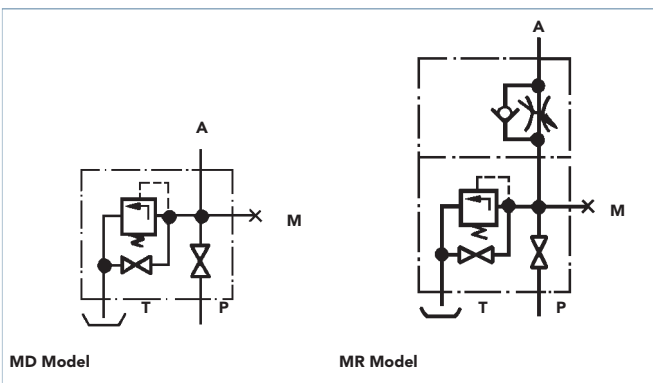
An additional, electromagnet-operated two-way cock enables the discharging of the accumulator or system, and thereby the hydraulic system, in the case of a safety shut-down or installation shut-down.



### Models

#### Manual Discharge (MD)

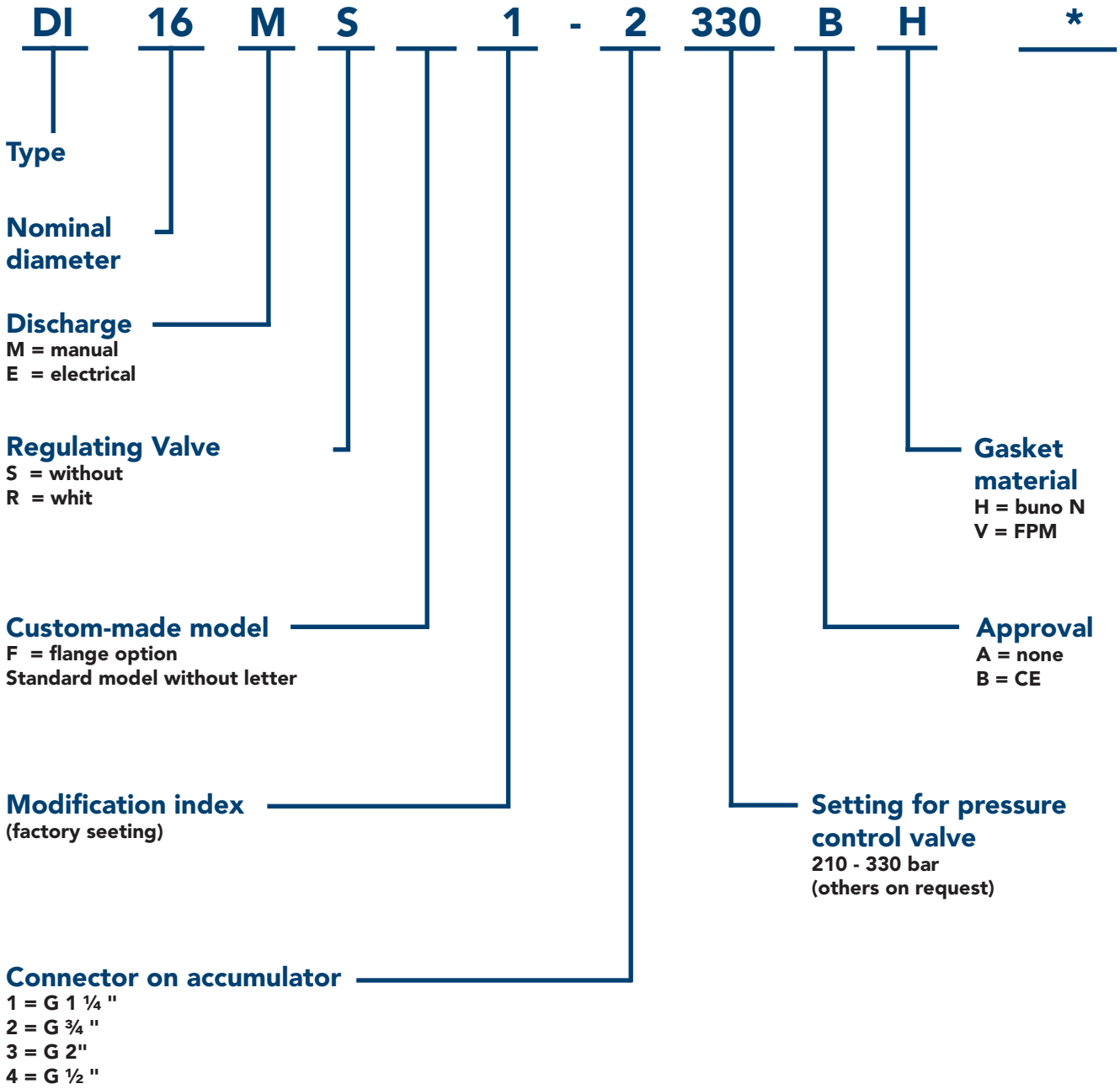
The discharge of the accumulator and/or system, and thereby the hydraulic system, is performed manually via a release valve. In the DI model, via the main stop valve.



#### Electrical Discharge and Regulating Valve (ER)

A regulating valve is fitted between the unit and the connector flange (on the accumulator), which allows the hydraulic fluid flow rate (in/out) to be controlled.

## Key to model designation



### \* Power supply voltage

Only for model E  
220V 50 Hz / 24 V =  
(others on request)