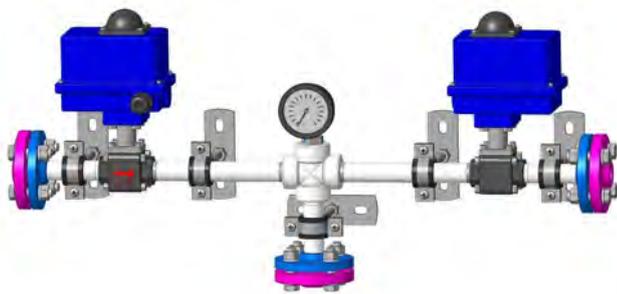


## Pressure switchover M 481 C



- Capacity: up to 200 kg/h
- Automatic switchover of chlorine gas sources
- 1 or 2 pressure probes
- No external energy required
- Simple assembly and installation

### GENERAL

The Pressure Switchover series M 481 C provides an uninterrupted supply of liquid or gas chlorine to the system. It assures safe and reliable switching between two chlorine gas or liquid sources.

Automatic pressure switchover consists of:

- pressure switches
- motorized ball valves
- manifolds and bypass valves
- connection flanges

There are two versions of the M 481 C pressure switchover available:

M 481 C/1—with one pressure probe; controls pressure to consumption

M 481 C/2—with two pressure probes; controls the source pressure (pressure of the chlorine supply)

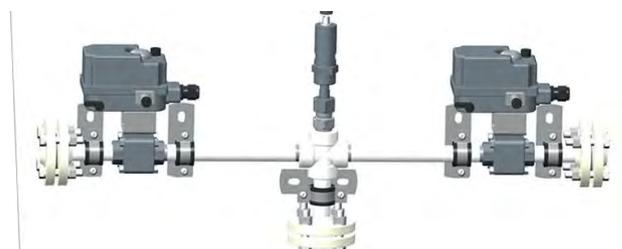
### OPERATION PRINCIPLE

Pressure switchover unit consists of two independent, electrical motor-driven ball valves, depending on version, one or two pressure probes and microprocessor controlled control panel.

Under normal operating conditions there is always an excess pressure of approximately 6 to 7 bar (at 20°C) in chlorine cylinders or containers (drums).

This pressure drops when chlorine is consumed. The pressure probe senses the pressure drop and the control panel initiates the motor valves to switch to the full chlorine source.

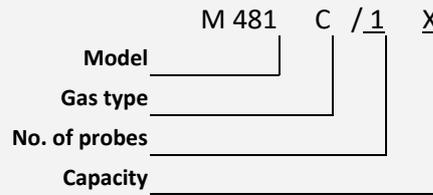
On the control panel the operator can check the status of the operation of the pressure switchover. Depending on the version different alarms are indicated. If the switchover is malfunctioning, valves can be closed or opened manually on the motorized ball valves.



**Pressure switchover type M 481 C/1**

Pressure switchover with one pressure probe!

ORDER CODES



**OPTIONS:**

- Gas type: "C" - Cl<sub>2</sub>, "CO<sub>2</sub>" - CO<sub>2</sub>, "S" - SO<sub>2</sub>, "N" - NH<sub>3</sub>
- No. of probes: 1 = pressure switchover with one probe  
2 = pressure switchover with two probes
- Capacity: A up to 50 kg/h - 3/4" NPT  
B up to 200 kg/h - 1" NPT

TECHNICAL DATA



<b>Gas types:</b>	<b>Weight:</b>
C = Cl <sub>2</sub>	1A = 17 kg
CO <sub>2</sub> = CO <sub>2</sub>	1B = 19 kg
S = SO <sub>2</sub>	2A = 22 kg
N = NH <sub>3</sub>	2B = 24 kg

**Connections**

Flange connections:  
 1A = DN20 (EN 1092-1)  
 1B = DN20 (EN 1092-1)  
 2A = DN25 (EN 1092-1)  
 2B = DN25 (EN 1092-1)

Other connections on request!

DIMENSIONAL DRAWINGS

