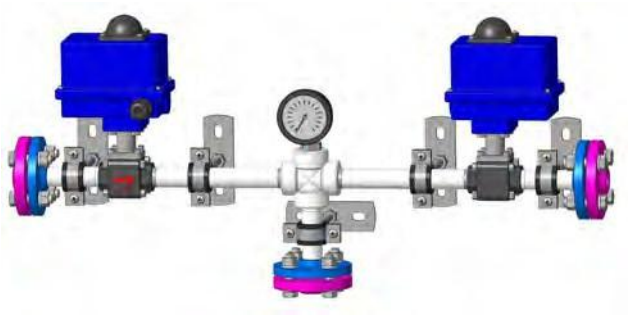
Electric switchover M 440E



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

GENERAL

The Pressure Switchover series M 440E 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:

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

There are two versions of the M 440E pressure switchover available:
M 440E C/1—with one pressure probe; controls pres-sure to consumption
M 440E C/2—with two pressure probes; controls the source pressure (pressure of the chlorine supply)

OPERATION PRINCIPLE

Electrical Pressure switchover unit consists of two independent, electrical motor-driven ball valves, depending on version, one or two pressure pro440Eand 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 initiate 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.

electrical Pressure switchover type M 440E

Pressure switchover with one pressure probe!



ORDER CODES

M 440E C /1 X

- **Model**
- **Gas type**
- **No. of probes**
- **Capacity**

OPTIONS:

- **Gas type**: **"C"** - Cl_2, **"CO2"** - CO_2, **"S"** - SO_2, **"N"** - NH_3
- **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

Gas types:

C = Cl_2
CO2 = CO_2
S = SO_2
N = NH_3

Weight:

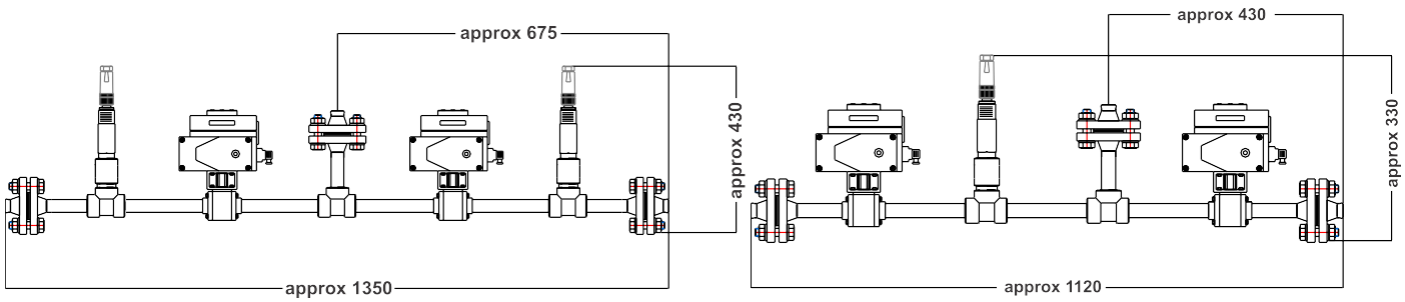
1A = 17 kg
1B = 19 kg
2A = 22 kg
2B = 24 kg

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



M 440E C/2 **M 440E C/1**