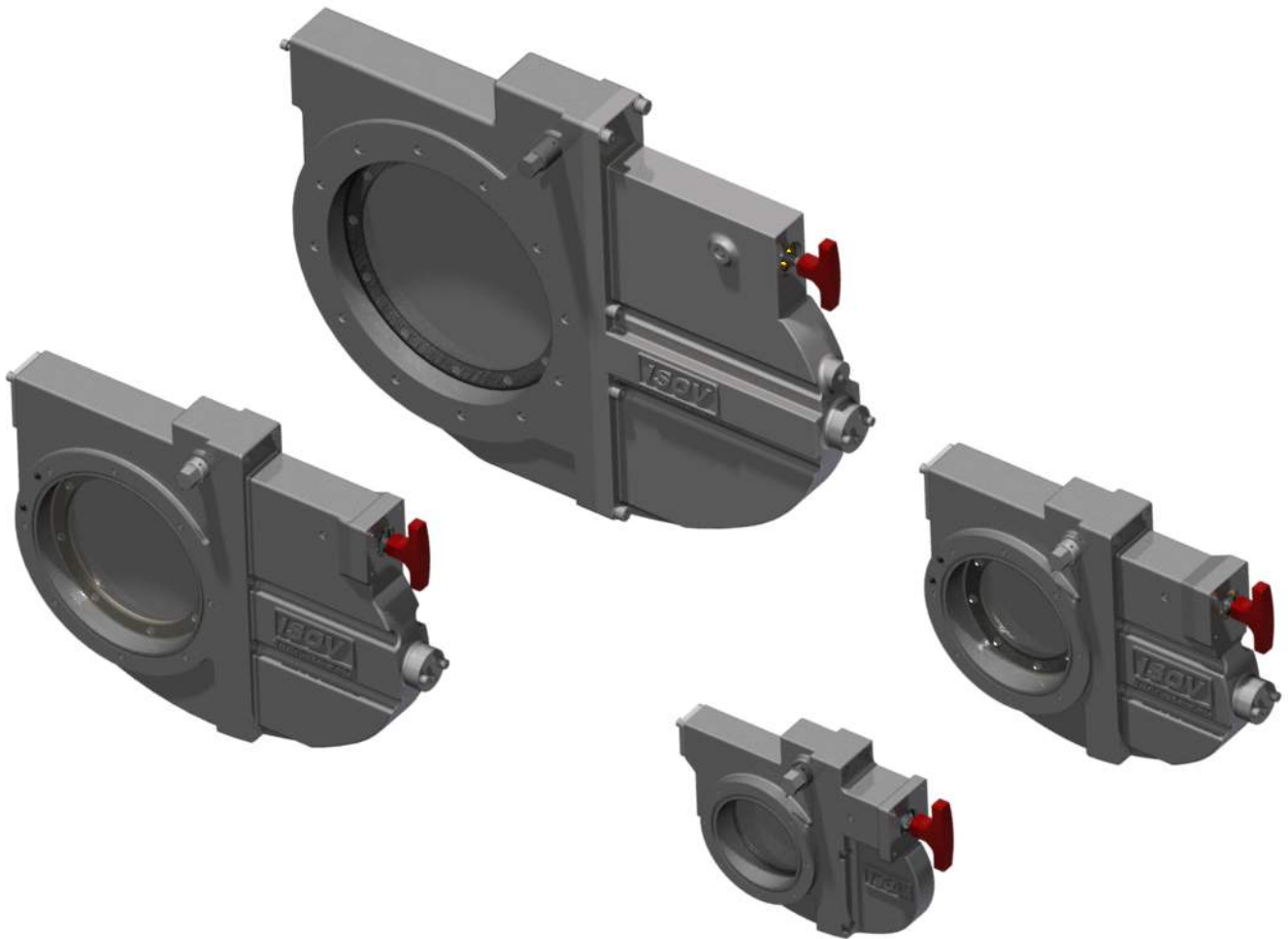
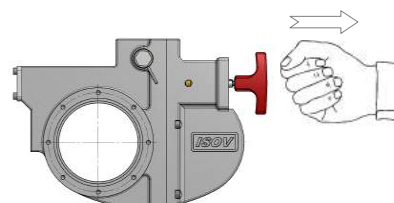
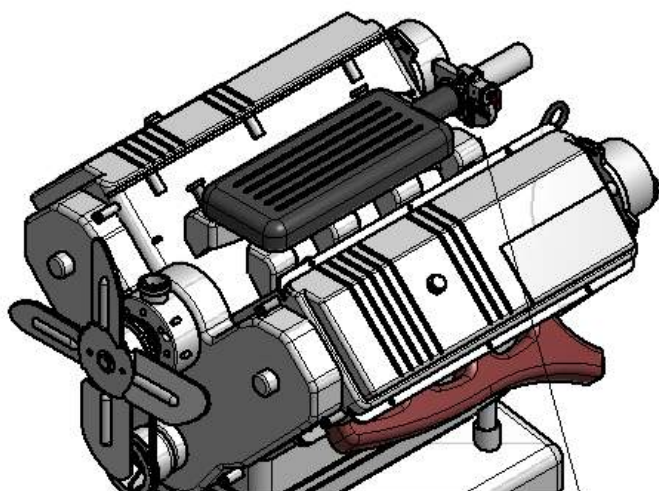


# *ISOV Emergency Valves*



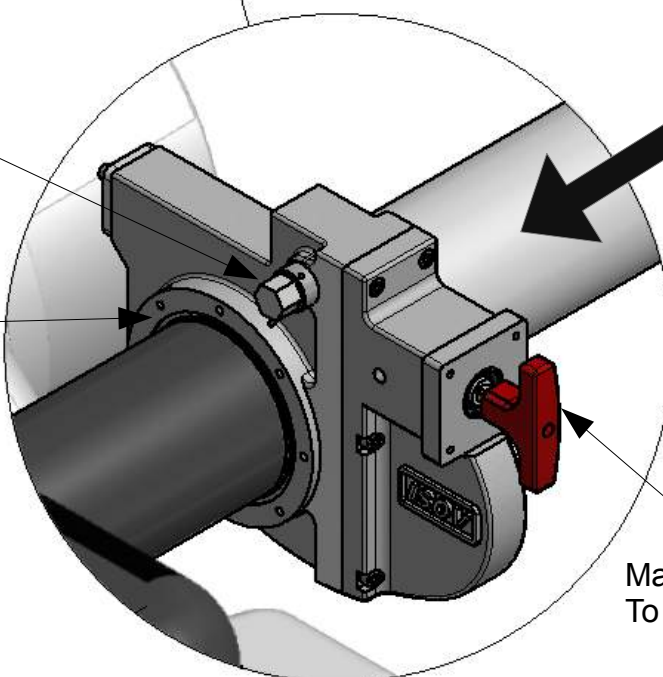
# **ISOV M-series**

Manual ISOV emergency valve



Rotate using a wrench  
to open the gate (1)

Various types of  
flanges and adapters  
are available



Manual tripping handle  
To close the gate (2)

The ISOV emergency valve prevent engines for overspeed by shutting off the air intake to the engine.

Prior to starting the engine, the Manual ISOV emergency valve must be latched open by rotating the manual resetting axis (1).

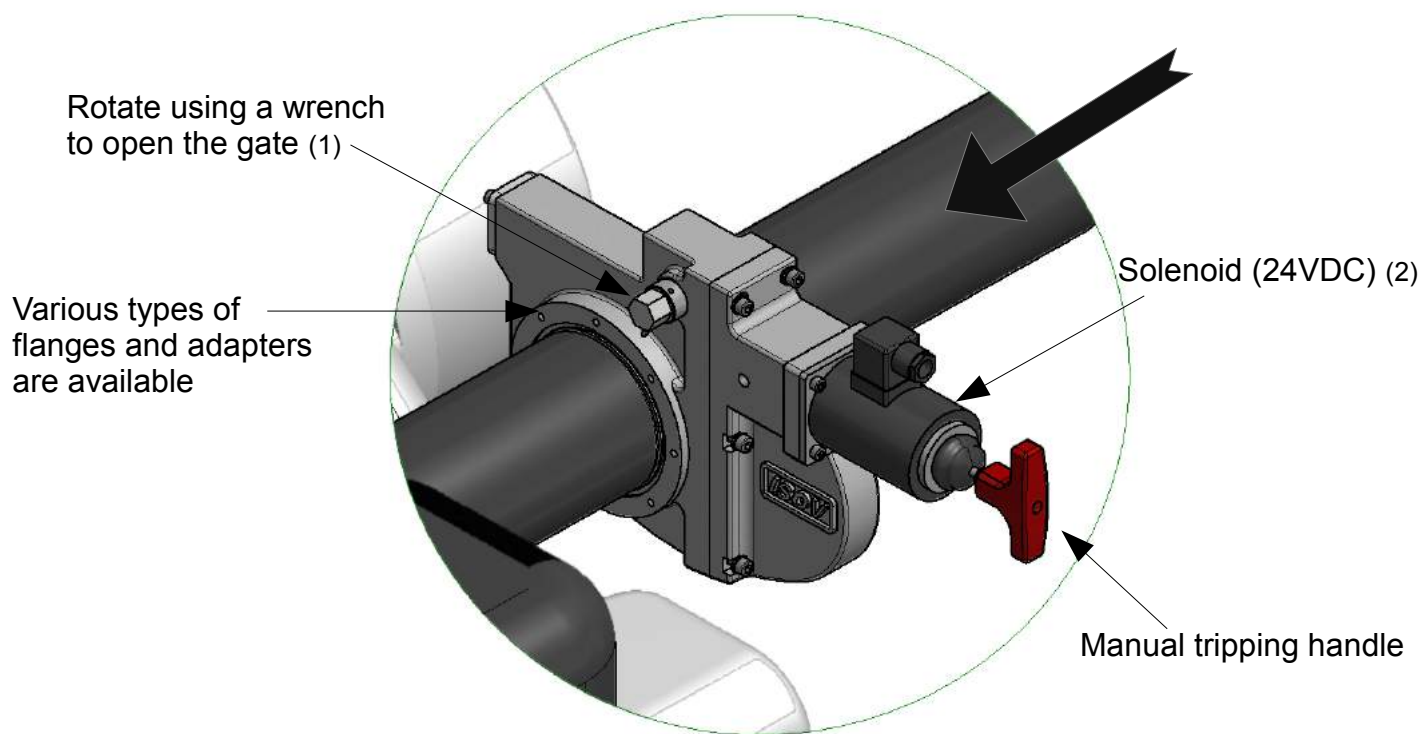
Once latched, the reset lever will remain in the latched open position until released by the action of using the manual tripping handle(2) .

To select the right type of valve, there is a wide range of sizes and flange adfapters available

Dimensions and model specifications can be found on page 6

# **ISOV E-series**

*Electric ISOV emergency valve*

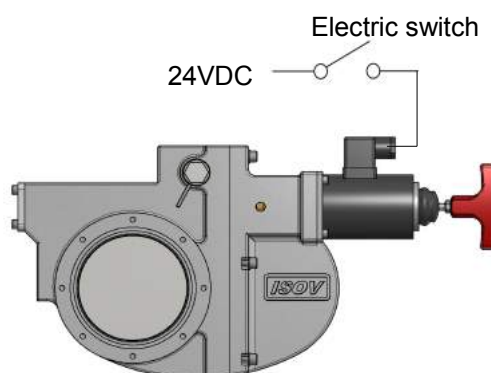


Equal to the manual version, the Electrical ISOV emergency valve must be latched open by rotating the manual resetting axis (1). Once latched, the reset lever will remain in the latched open position until released by the action of an electrical actuator in this case a 24VDC solenoid (2).

To increase the safety and reliability the solenoid is equipped with a manual tripping handle, just in case of an electrical breakdown. The valve will not re-open until manually reset

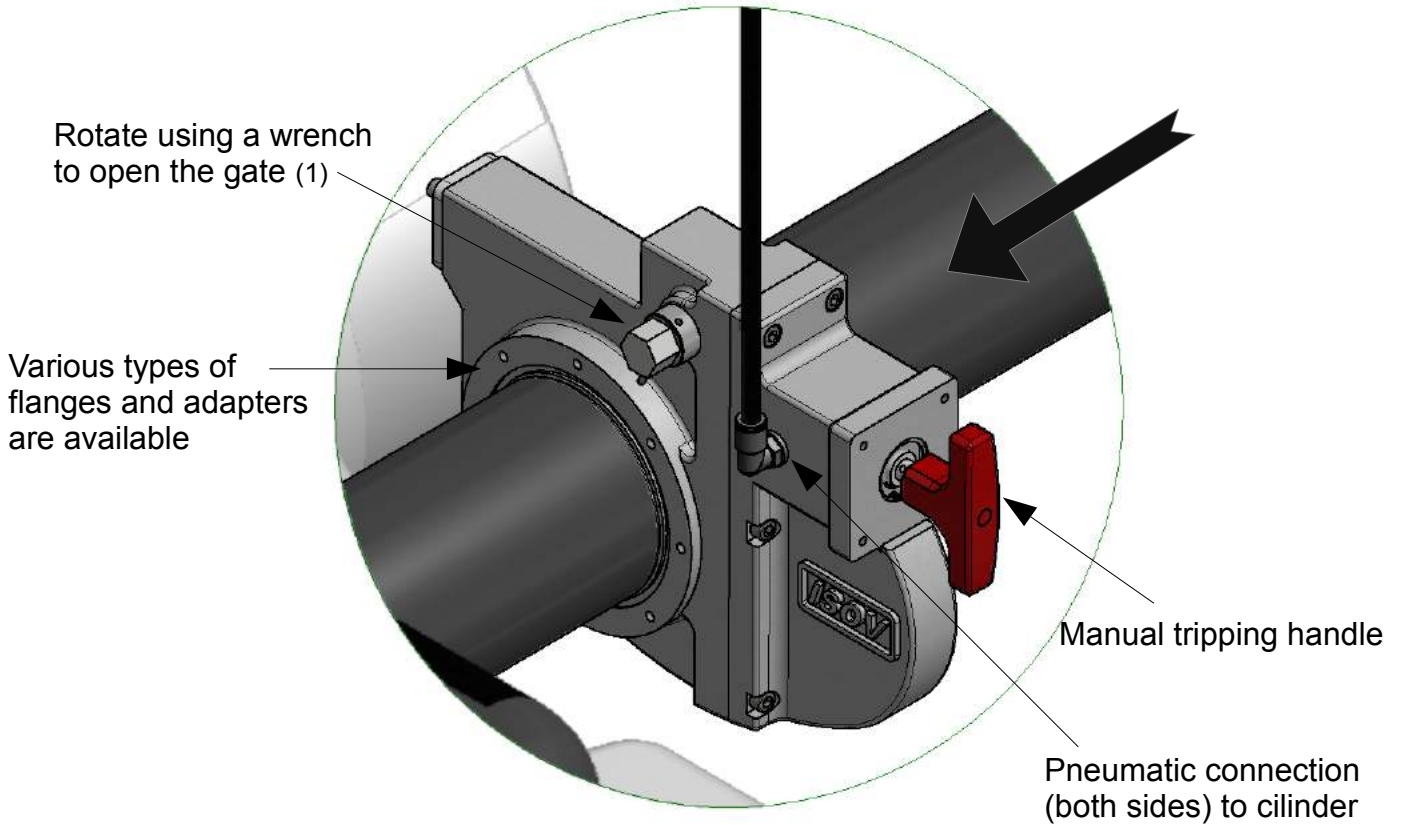
The solenoid is standard with a plug connection

Dimensions and model specifications can be found on page 6



# ISOV P-series

## Pneumatic ISOV emergency valve

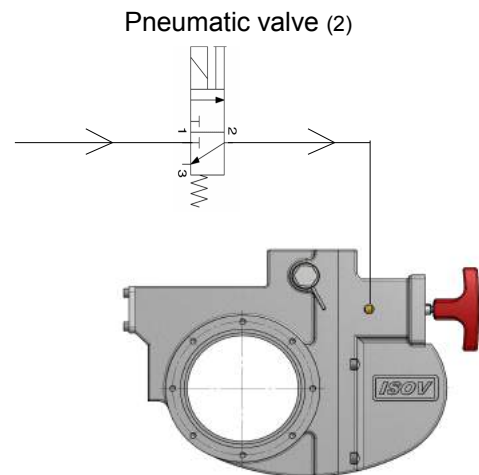


Equal to the manual version, the Pneumatic ISOV emergency valve must be latched open by rotating the manual resetting axis (1). Once latched, the reset lever will remain in the latched open position until released by the action of an integrsated culinder. This will be controlled by a 3/2-way pneumatic valve (2).

To increase the safety and reliability the ISOV emergency valve is also equipped with a manual tripping handle, just in case of an electrical or pneumatic breakdown. The valve will not re-open until manually reset

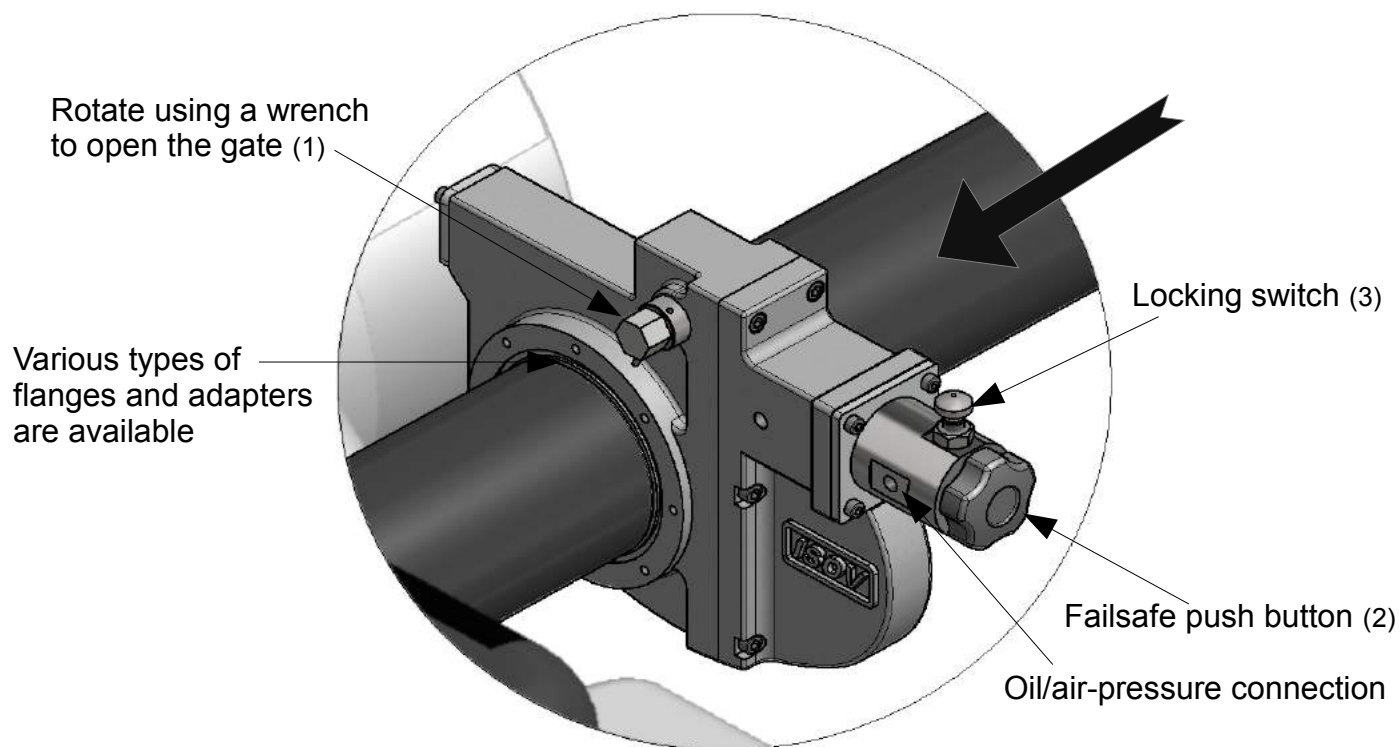
The standard pneumatic conection is 1/4" or 1/8" ande the minumum tripping pressure is 5 bar.

Dimensions and model specifications can be found on page 6



# ISOV F-series

## Failsafe ISOV emergency valve



To open the gate of the Failsafe ISOV emergency valve, the following procedure must be followed:

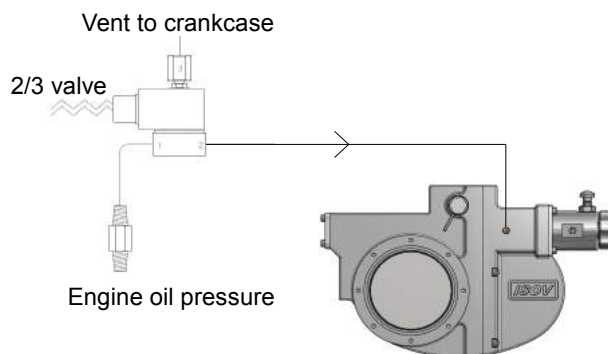
Equal to the other ISOV-versions the valve must be opened by rotating the manual resetting axis (1). While holding the rotating axis in open position, the push button (2) must be pressed in.

Now you can release the rotating axis, BUT hold the push button. After this press the locking switch (3), then release the push button and finally release the locking switch.

Constant power on the 2/3 valve supplies engine oil pressure to the valve. This will lock the gate inside the valve. At loss of power, oil pressure is blocked at port 1 which vents port 2 through to port 3 (crankcase), and relieves oil pressure holding down the failsafe actuator. A spring inside the valve ensures that the gate closes.

The standard pneumatic/hydraulic connection is 1/4" or 1/8" and the minimum holding pressure is 3,5 bar.

Dimensions and model specifications can be found on page 6



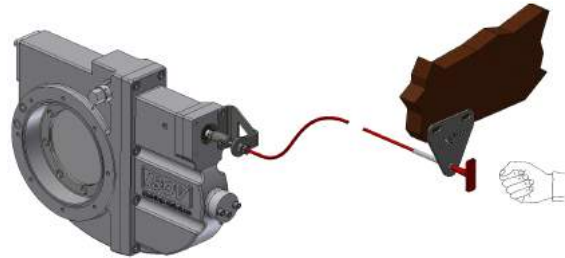


# Options

## ISOV emergency valve

### **Pulling cable**

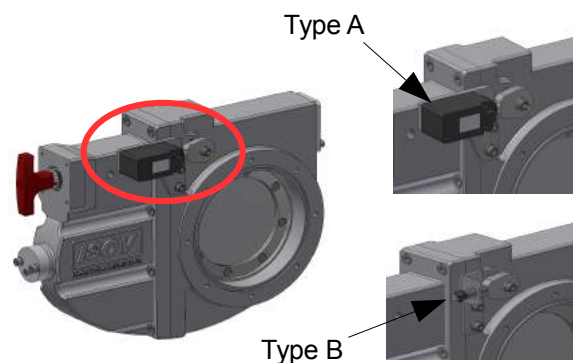
To activate the valve from a distance by hand (for instance in a cabin), it can be supplied with a pulling cable (various lengths). This will increase the ease of use and operator safety



### **Open / close – signal**

The valve can be equipped with a position switch. This switch detects whether the valve is open or closed and will give feedback to the overall electrical scheme.

This option provides to models:  
Type "A" is a mechanical contact switch  
Type "B" is a non-contact proximity switch

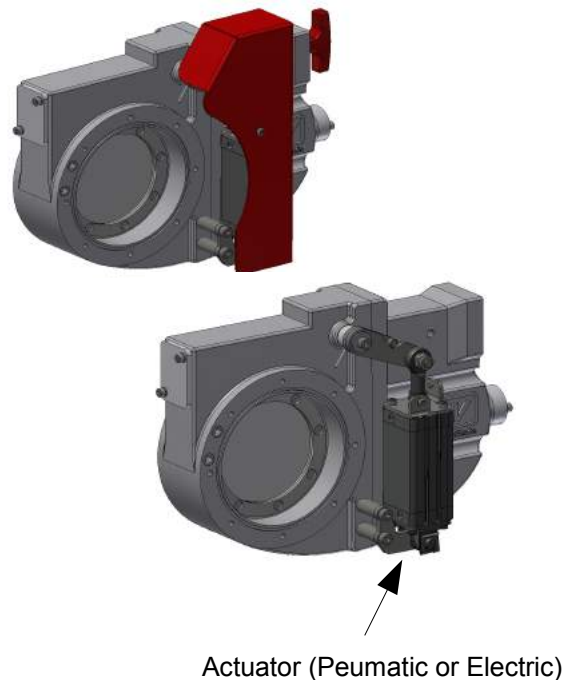


### **Remote control**

A remotely controlled system opens the gate of the valve fully automatic.

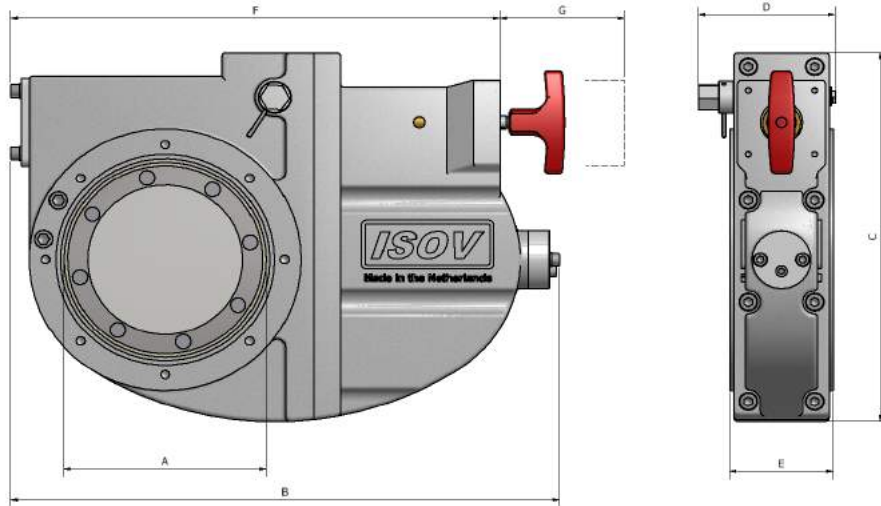
Therefore, manual force is no longer necessary, and the valve can be operated and reset remotely.

This option can be pneumatically (cylinder) or electrically (liniair drive)



# Data sheet

## ISOV emergency valve



	A	B	C	D	E	F	G (E-type)	G (F-type)
N200	50,8	142	132	42	36	140	*	*
N300	76,2	238	178	67	45	231	*	*
N400	101,6	295	218	87	68	275	*	*
N500	127,0	348	251	87	68	322	*	*
N600	152,4	413	289	103	78	369	*	*
N800	203,2	513	361	103	68	455	*	*
N1286	279,4	692	486	124	76	611	*	*

\* : On request

Note: There is a wide range of sizes and flange adapters available

N600 – P – C 3000 D1 RP

**Size:**  
 2": N200  
 3": N300  
 4": N400  
 5": N500  
 6": N600  
 8": N800  
 11": N1286

**Control:**  
 M: Manual  
 P: Pneumatic  
 E: Electric  
 F: Failsafe

**Options:**  
 C: Pulling cable  
 3000: Length of pulling cable  
 D1: Open/Close-detection type 1  
 D2: Open/Close-detection type 2  
 RP: Remote control Pneumatic  
 RE: Remote control Electric