



Mirab Valves Weight loaded hydraulic actuator technical Questioner form (Date:.....)

Company name: Phone No.: e-mail:
Engineer in charge: Mobile No.: e-mail:

1-Valve type : Butterfly valve Needle valve Ball valve quantity : set
2- Valve Size: DN mm
3- Nominal pressure: PN bar - Working pressure: bar - Flange drilling PN
4-Application:
Non-return, Isolating and Pump control valve Over flow Control valve for Reservoir
Safety Valve for Turbine Inlet Pipe burst control valve Quick opening vane
Other Applications (please describe):
5-Flow rate and velocity: Normal operation condition : Tripping condition:
6-Pressure conditions when valve is closed : upstream downstream
7-Valve normal situation: Normal Open (Opening with the weight rise and will be closed with weight fall)
Normal Close (Closing with the weight rise and will be opened with weight fall)
8- Weight falling time: step1(70% of falling travel) sec step2(30% of falling travel) sec
9- Weight Falling command is by :
Velocity or flow switch (electrical) Paddle tripping device (mechanical) Lack of electricity
Differential pressure tripping device reservoir level sensor
10- Weight rise by: Manual hydraulic pump Manual and Electrical hydraulic pump (recommended)
11-Voltage of solenoid valve: V AC DC (recommendation: 24VDC)
12-voltage of electrical pump: Vphase
13-Limit switches : Open 95%Open Close Tripped Others:
14-Local control panel: Mounted on valve Wall mounted
15-solenoid electrical normal situation :
Always energized (weight will start falling with solenoid de energizing)
Always de energized (weight will start falling with solenoid energizing)
16-avalable emergency electrical supply :V AC DC (from ups or generator)
17-system for checking pressure in both side of valve : DPS ordinary manometer other:....
18-valve and actuator installation position and orientation: (Please selectPos.1 to Pos.8)
19-installation drawing should be send for Mirab Valves for more accuracy in valve specifications.
20- Other special specifications :

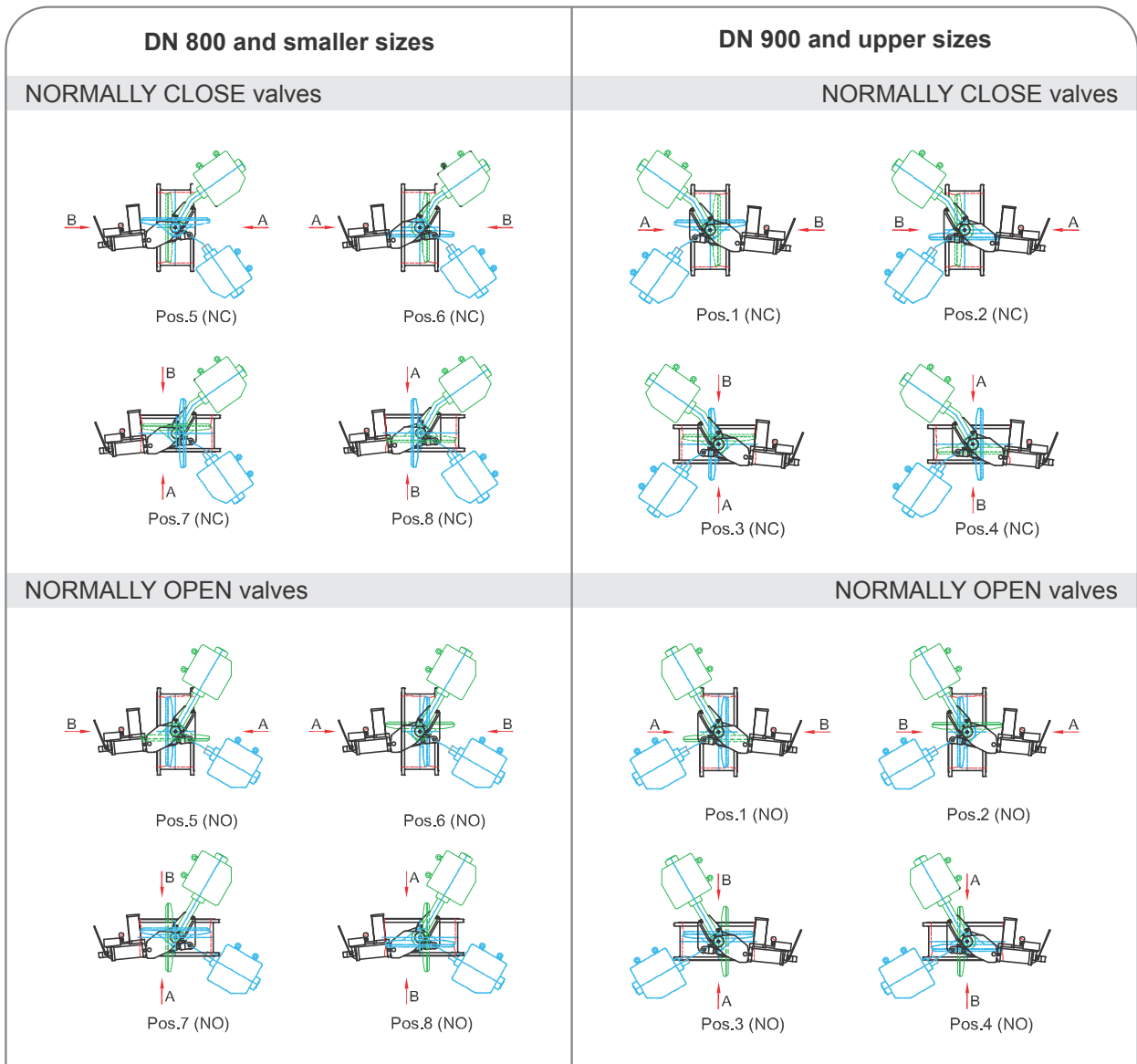
- Sending report system by "GSM"

Hydraulic actuator installation positions

For selection of actuator installation position consider following notes:

- Angle of installation (horizontal or vertical situation)
- Weight direction according to pipe line and valve high pressure side
- Normal valve working situation during operation (it is normal close or normal open type)
- Valve size (for DN 800 and smaller use left column and for DN900 and upper sizes use right column)

Important note: Butterfly valve can be installed independent of pressure side or flow direction, but **Mirab Valves** strongly recommends that valve high pressure side (A) and disk shaft side be the same especially for PN16 & 25. It ensures better sealing and allow adjusting profile ring during operation time.



- Normal operation
- Emergency conditions
- A : high pressure side