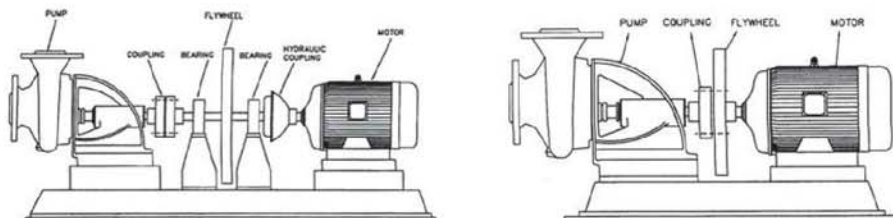


Surge tank (V: 1...40m³, PN6...40bar):

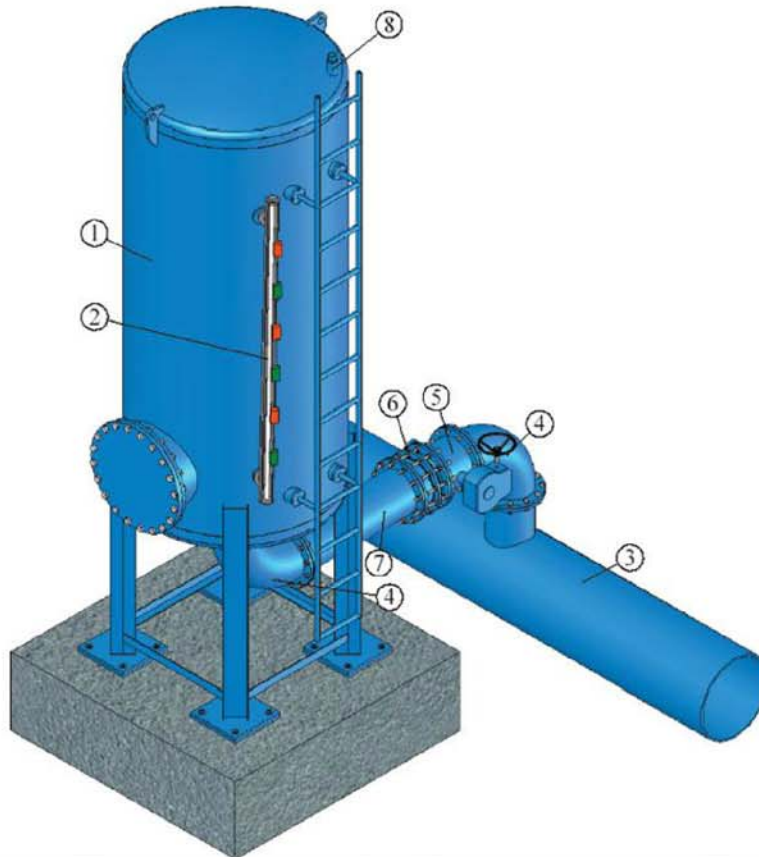
- Calculating, designing and manufacturing surge tanks including:
 - Safety equipments, surge relief valve, electric control panel, magnetic level gage, compressor and etc.



- Calculating, designing and manufacturing surge flywheels:



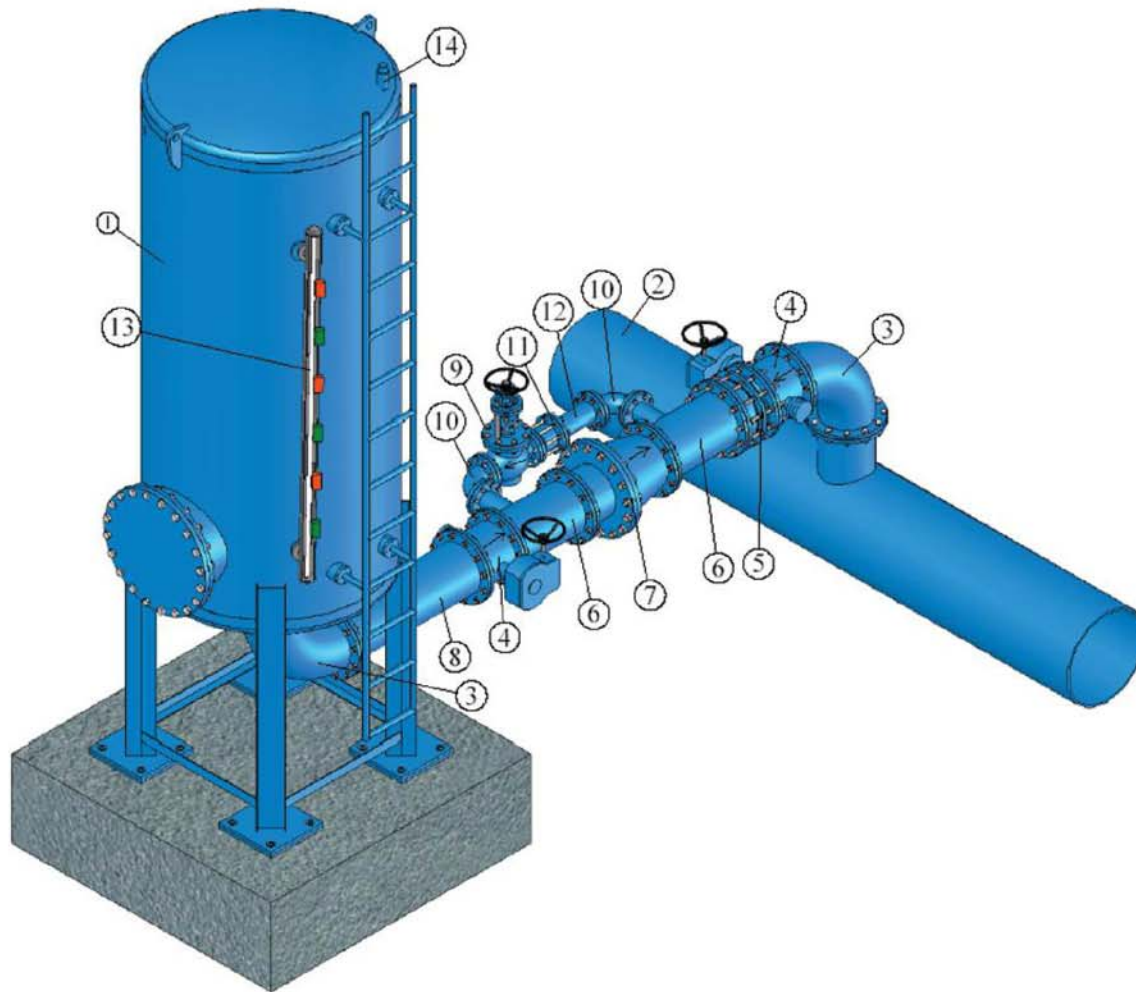
Sample design to install surge tanks (without bypass circuit):



| No. | Part Name | Properties | No. | Part Name | Properties |
|-----|---------------------|----------------------|-----|-------------------------|----------------------|
| 1 | Surge Tank | V , PN | 5 | Flanged Butterfly Valve | DN ₁ , PN |
| 2 | Magnetic Level Gage | --- | 6 | Dismantling Joint | DN ₁ , PN |
| 3 | Pipe Line | DN | 7 | Flanged Pipe | DN ₁ , PN |
| 4 | Flanged Elbow | DN ₁ , PN | 8 | Surge Relief Valves | --- |

- Dimensions of V and DN₁ will be determined after specific calculations. All related calculations can be completed for surge tanks by MECHANIC AB according to customer's order moreover manufacturing them.

Sample design to install surge tanks (with bypass circuit):



| No. | Part Name | Properties | No. | Part Name | Properties |
|-----|---------------------------|--|-----|-------------------------|----------------------|
| 1 | Surge Tank | V , PN | 8 | Flanged Pipe | DN ₁ , PN |
| 2 | Pipe Line | DN | 9 | Globe Valve For Control | DN ₂ , PN |
| 3 | Flanged Elbow | DN ₁ , PN | 10 | Flanged Elbow | DN ₂ , PN |
| 4 | Flanged Butterfly Valve | DN ₁ , PN | 11 | Dismantling Joint | DN ₂ , PN |
| 5 | Dismantling Joint | DN ₁ , PN | 12 | Flanged Pipe | DN ₂ , PN |
| 6 | Flanged Tee | DN ₁ X DN ₁ X DN ₂ , PN | 13 | Magnetic Level Gage | --- |
| 7 | Check Vales, lifting Type | DN ₁ , PN | 14 | Surge Relief Valves | --- |

- Dimensions of V and DN₁ will be determined after specific calculations. All related calculations can be completed for surge tanks by MECHANIC AB according to customer's order moreover manufacturing them.