AB Valves GMBH

Plunger Valve
Questionnaire for sizing

1.flange diameter DN .....

2.nomnal pressure PN .....

3.flow medium .....

4.max.operation temperature .....in°c

5.operation conditions

Qmin ..... Qnormal ..... Qmax m3/h

6.sketch of the whole pipeline installtion and the location of of the plunger valve

7.actuation

handwheel ☐

electr.actuator ☐ opening/closing time .....in sec

for regulating purposes ☐ opening/closing time .....in sec

hydraulic with lever and weight ☐

8.power supply

☐ 3 phases AC 400 V/50 Hz

☐ 1 phases AC 220-240 V/50 Hz

☐ DC 24V

☐ others

9.position of the actuator in flow direction

☐ right ☐ left

10.centre line of the Plunger valve

☐ horizontal ☐ vertical

11.Plunger Valve used as :

☐ only for fully opening and closing

☐ regulating purposes

☐ intake valve

☐ pump protecting device

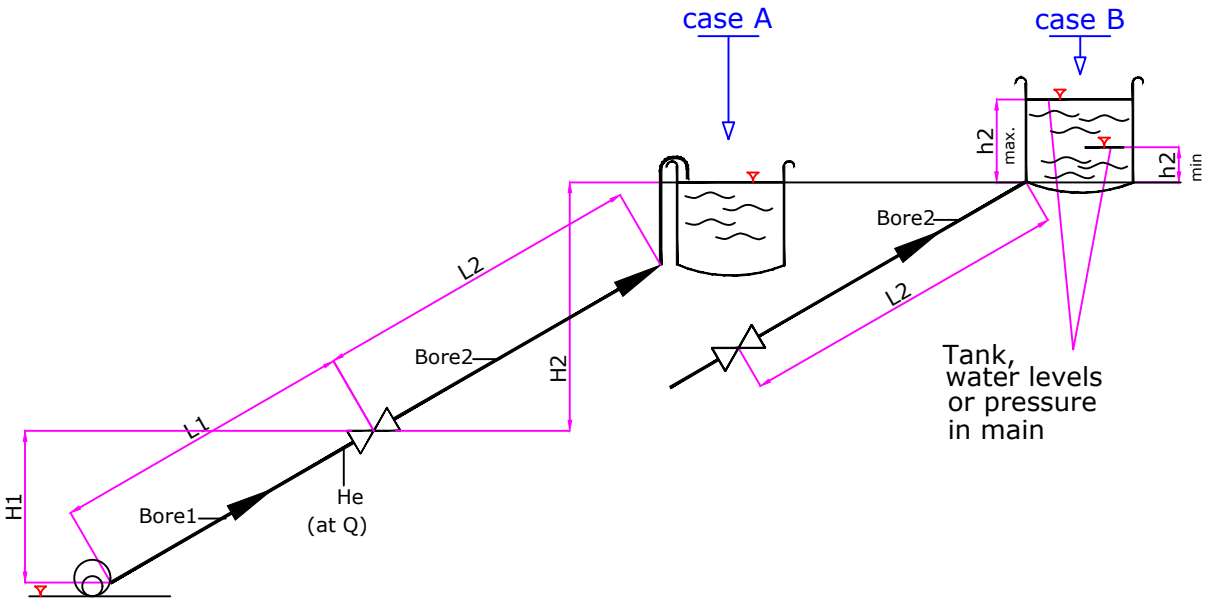
☐ pipe break divice

☐ free outlet valve

☐ bottom outlet of a dam

- outlet above water level ☐
- outlet underwater level ☐
- with ventilation system ☐

① Installation after a pump



H1=Static head from pump to valve

H2=Static head from valve to max . water level

L1=Length of pipe between pump and valve

L2=Length of pipe between valve and max . water level

Bore1=Pipe bore before valve

Bore2=Pipe bore after valve

h2 min
h2 max } Tank level or pressure in main

Pump characterlatics

H=.....meters at Q=0

H=.....meters at Q min =.....m3/h,or .....l/s

H=.....meters at Q max =.....m3/h,or .....l/s

Pressure before valve

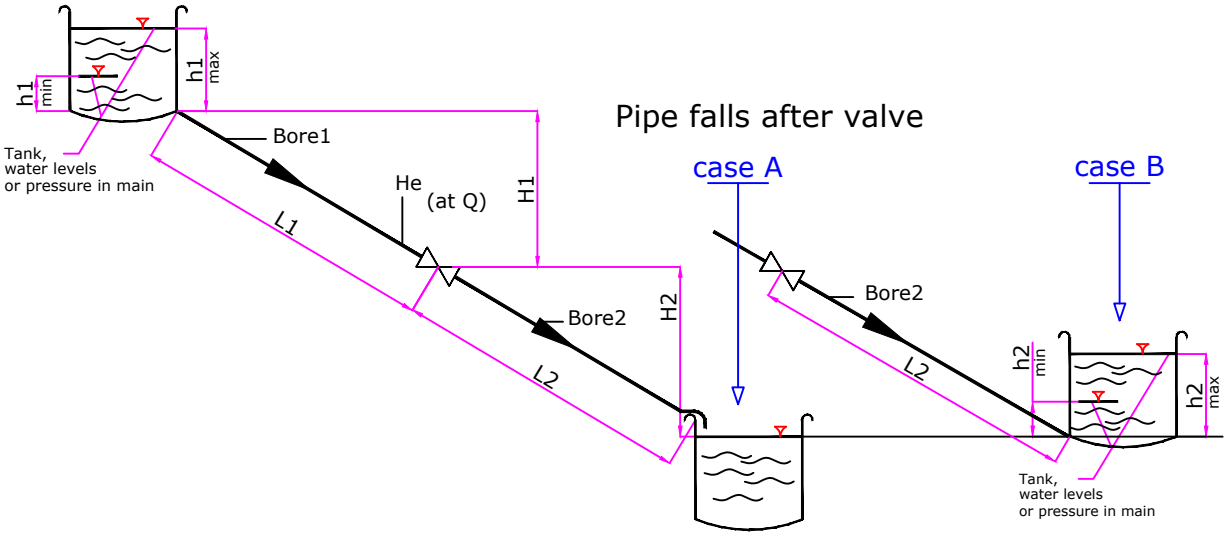
He=.....meters at Q =.....m3/h,or .....l/s

*Please delete where inapplicable

case	H1+ m	H2+ m	L1 m	L2 m	Bore mm	Bore mm	h1 min m	h2 max m
a								
b								

* Expressed in terms of water column

② Ganeral installaiton in piping



H1=Static head from intake to valve

H2=head from valve to discharge

L1=Length of pipe , intake to valve

L2=Length of pipe ,valve discharge

Bore1=Pipe bore before valve

Bore2=Pipe bore after valve

h1 min
h1 max } Tank level or pressure in main

h2 min
h2 max } Tank level of discharge , or pressure in main

Pressure before valve

He=.....meters at Q =.....m3/h,or .....l/s

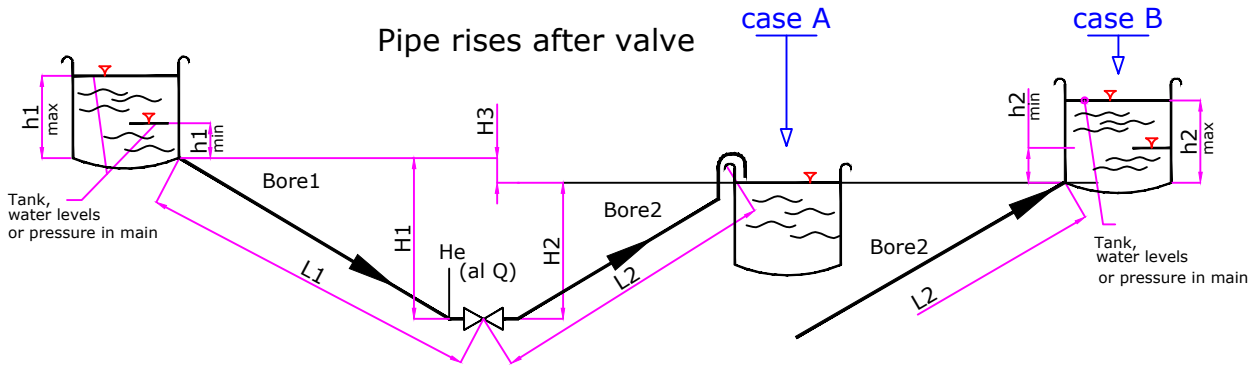
He=.....meters at Q =.....m3/h,or .....l/s

*Please delete where inapplicable

case	H1+ m	H2+ m	L1 m	L2 m	Bore1 mm	Bore2 mm	h1 min m	h1 max m	h2 min m	h2 max m
a										
b										

* Expressed in terms of water column

③ Ganeral installaiton in piping



H1=Head from intake to valve

H2=Head from valve to discharge

H3=Head from intoke to discharge

L1=Length of pipe , intake to valve

L2=Length of pipe ,valve to discharge

Bore 1=Pipe bore before valve

Bore 2=Pipe bore after valve

h1 min
h1 max } Tank level or pressure in main

h2 min
h2 max } Tank level of discharge , or pressure in main

* Expressed in terms of water column

*Please delete where inapplicable

Pressure before valve

He=.....meters at Q max =.....m3/h,or .....l/s

He=.....meters at Q min =.....m3/h,or .....l/s

case	H1+ m	H2+ m	H3+ m	L1 m	L2 m	Bore1 mm	Bore2 mm	h1 min m	h1 max m	h2 min m	h2 max m	
a												
b												