

MAINTENANCE OF VALVES AND OF HYDRAULIC PIPES



Experimental capabilities

- Handling
- Mounting
- Demounting
- Fault diagnostics of internal seals / external to the valves
- Diagnostics and maintenance of damaged piping
- Preventive and corrective maintenance of valves
- Standard exchanges of valves
- Mounting of a interlocking flanges
- Mounting of elevated flat flanges
- Mounting - seal by tow on tapings
- Analysis of types of mounting (size of flanges, types of gaskets, mountings by screwing or welded ...)
- Choice of seals

MVH300



Operating principle

The valve maintenance bench MVH 300 allows to implement the handling operations mounting and demounting integration and servicing of hydraulic valves, as well as the testing of their tightness

The robust design of this device makes it suitable for use in schools.

The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

Technical details

The unit :

- A **metallic structure** of anodized aluminum on braked swivel wheels.
- A capacity **tank** approx 100L with in isolation valve.
- A **stainless steel tray** of drippings collection occurring during the leakage diagnosis operations on valves or pipes / collected drippings transported towards the storage tank
- A volumetric **motor pump group 15bars - 1.5m³ /hr** approximately P = 2.2kW approx
- **Safety relief valve**
- A **galvanized steel pipe** equipped with 2 flat flanges for integration of valve modules.
- A **membrane valve** allowing to create the increase in hydraulic system pressure
- A **relief valve** calibrated at 15 bar
- A valves integration zone
- 1 adjustable and transparent cowling for protection equipped with a protection lock with a key, prevents starting of the motor pump group as long as the total closure of the cover is not effective.

Valves:

- 1 piston valve DN 65 + integration piping kit on the bench
- 2 butterfly valve DN 150 + integration piping kit on the bench (including 1 HS valve / Cf description below)
- 2 ball valve fitting DN50 + integration piping kit on the bench (including 1 HS valve / Cf description below)

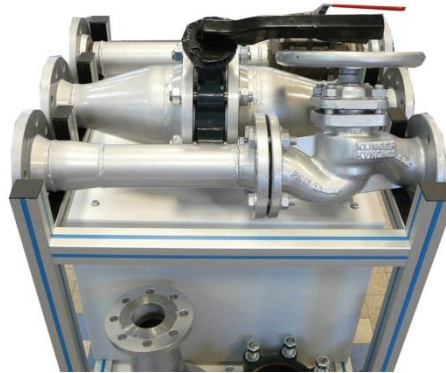
Maintenance Kit valves and pipe :

- 1 butterfly valve blocked -> standard valve exchange
- 1 ball valve leaky (internal leakage) -> standard valve exchange
- 1 adaptation sleeve twisted with 2 flanges -> default of sealing -> repair impossible by adding of gasket / replacement of entire section (supplied replacement material).
- 1 damaged flange gaskets kit -> leaks
- 1 kit of internal seals of ball valve defaulting -> external leaks
- 1 lantern kit + insert of piston valve piston defaulting -> internal leakage (piston valve)
- 1 tow pellet for mounting the tapped flanges
- 4 complete kits of seals for valve and pipings (spare parts)

MVH300

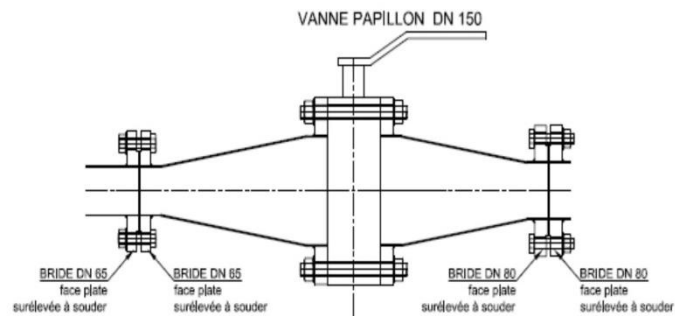


Presentation of the valves :

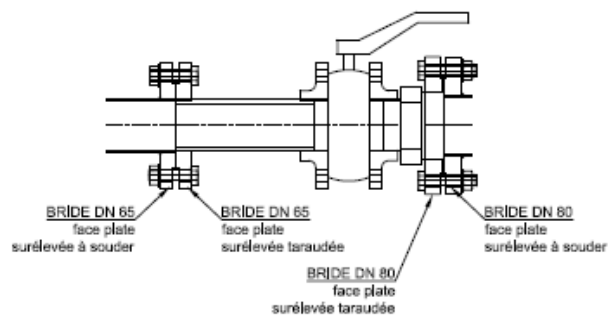


Configurations pipes / valves:

- **Butterfly valve DN 150**



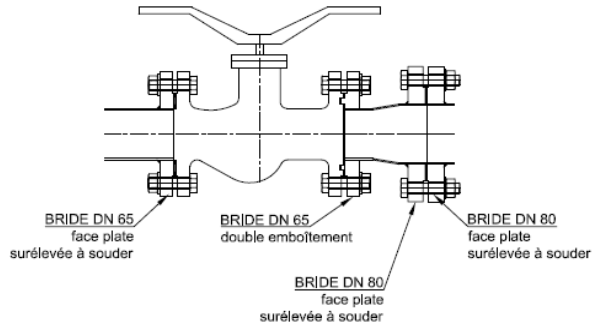
- **Ball valve fitting DN 65**



MVH300



Piston valve DN 65



Services required

- Electrical supply : 400Vac – 50 Hz – XX A
- Dimensions: (LxWxH mm): 2000 x 1400 x 1500
- weight (Kg): 300

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

Documentation

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Lab exercises
- Certificate of conformity CE

DIDATEC– Zone d'activité du parc – 42490 FRAISSES- FRANCE
Tél. +33(0)4.77.10.10.10 – Fax+33(0)4.77.61.56.49 – www.didatec-technologie.com
email : service_commercial@didatec-technologie.com

Reproduction interdite / copy prohibited– Copyright DIDATEC mars-16- page 4

Dans le cadre de l'amélioration permanente de nos produits, ce descriptif technique est susceptible d'être modifié sans préavis
As part of the continuous improvement of our products, this technical specification may be modified without previous notifying

Illustrations non contractuelles / Illustrations not contractual

version : FT-MVH300-STD-A