

SHUT-OFF VALVE BOX

For Isolation of
Medical Gas Pipeline System



3 Gas (Oxygen ,Med Air & Vacuum)
Shut off Valve Box

Shut-off valves are provided to isolate a section, area or zone of hospital to avoid supply interruption to entire establishment in case of emergency, maintenance, repair, periodic testing & planned future expansion. These are installed in a Medical Gas Pipeline System (MGPS) in different configurations including vacuum. The shut off valve boxes have provision for gas specific NIST connection in addition to analog pressure gauge for testing facility, emergency supply connection or connection to Medical Gas Alarm System.

Valves are horizontally housed (vertical entry type) in a secured metallic box with window for protection, accessibility and better visibility. This arrangement permit to locate the valve box in areas readily accessible to medical personnel but restrict unauthorized tampering.

The housing box lock is so designed that in case of emergency the locked window can be opened by applying little extra force on the lock (hard punching) which is reusable for locking.

The compartmentalization is usually done during design stage of gas & Vacuum pipe network considering the future need for service, replacement, extension etc.

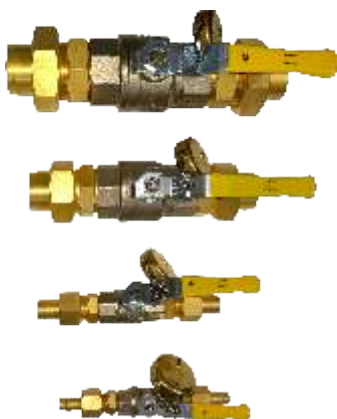
Full bore ball valves are medical oxygen compatible and used for all medical gases and complies with Pressure Equipment Directive 97/23/EC.

These isolation valves arranged horizontally for uniform viewing of multiple gas configuration and offer local gas isolation facilities (AVSU) as well as Zone Isolation Unit.

Tube ends of Shut off Valves are flared to facilitate insertion of connecting tube. This arrangement is to avoid butt joining of the connecting tube to Shut off Valves stub ends. All stub ends are covered for dust protection



Shut-off Valves for Riser and Branch
lines with end connection in sizes -
15, 20, 25, 32, 40, 50, 65, 80
and 100 mm.



Lockable Shut-off Valves for:
(Sizes 15, 20, 25, 32, 40, 50,
65,80 & 100 mm)

- Source Shut-off Valves • Main Shut-off Valves
- Riser Shut-off Valves • Branch Shut-off Valves
- Area Shut-off Valves • Ring Shut-off Valves
- Source Shut-off Valves • Maintenance Shut-off Valves
- Inlet Shut-off Valves

Technical Information

Flow rate @ 4.5 bar (max)	1500 LPM
Allowable pressure	30 bar
OD of Stub end	15 mm
OD of Stub end (Vacuum)	22 mm
Length of Stub end	75 mm (min)
Tighten proof	50 bar
Closing / Opening of Valve	90° (1/4th turn)
Working Temperature	-20° C to + 100° C
Gases	O ₂ ; Air; N ₂ ; Ar; N ₂ O; Co ₂ Mixed Gas & Vacuum
Regulatory status	Complies with Medical Devices Directive 93/42/EEC Pressure Equipment Directive 97/23/EC (PED CE 0036)

Ordering Information: (Top Entry)

Description	Code
1 GAS - OXYGEN	6082100
2 GASES - OXYGEN / VACUUM	6082200
3 GASES - OXYGEN/ N2O/ VACUUM	6082300
4 GASES - OXYGEN/ N2O/ AIR/ VACUUM	6082400
5 GASES - OXYGEN/ N2O/ AR4/ AR7/ VACUUM	6082500
6 GASES - OXYGEN/ N2O/ AIR4/ Ar7/ Co2/ VACUUM	6082600
Customized gas combinations are also available on request	

NOTE: Enquire separately for **side entry** Shut-Off Valve Boxes.

DISCLAIMER: Aktiv Shut off Valve meet and exceed the requirements of relevant standard at the time of manufacture. However piping source, capacity, sizing and restrictions may prevent from attaining the stipulated value.



AKTIV TECHNOLOGIES

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Consult Instruction for use