



Area valves - Standard HTM 02-01

IDENTIFICATION

- ▶ Area valve with physical block for medical gases and vacuum
- ▶ Emergency inlet available in the following standards:
AFNOR NF S 90-116, NIST
- ▶ Brass body
- ▶ Shut-off ball valve with PTFE seats
- ▶ Outlet with ball valve and visualisation white disk (gas flow) or red disk (physical block)
- ▶ Inlet/outlet copper pipe
- ▶ Suitable for the connection with an in-line pressure gauge
- ▶ Possibility to install pressure sensor for monitoring of the downstream pressure of the valve
- ▶ Suitable for the installation of a position sensor for the service valve status
- ▶ Connection with an emergency inlet with anti return system
- ▶ Laser marking of production lot and product code

CE MARKING

Notified body: 0426

CE marking in risk class II B in accordance with Legislative Decree 24 February no. 46 "Implementation of Directive 93/42/EEC concerning medical devices" and further modifications

REFERENCE STANDARD

UNI EN ISO 7396-1: "Medical gas pipeline systems - Part 1: Pipeline systems for compressed medical gases and vacuum"

UNI EN ISO 15001: "Anaesthetic and respiratory equipment - Compatibility with oxygen"

HTM 02-01: "Medical gas pipeline systems"

* Validity of the standards is referred to the current year



- ▶ Gases: Vacuum, Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Instrument Air
- ▶ Storage temperature: -20 °C ÷ +60 °C
- ▶ Diameter inlet/outlet piping block area valves G1/2": Ø = 16 x 1 mm
- ▶ Diameter inlet/outlet piping block area valves G3/4": Ø = 22 x 1 mm
- ▶ Diameter inlet/outlet piping block area valves G1" (vacuum): Ø = 28 x 1 mm

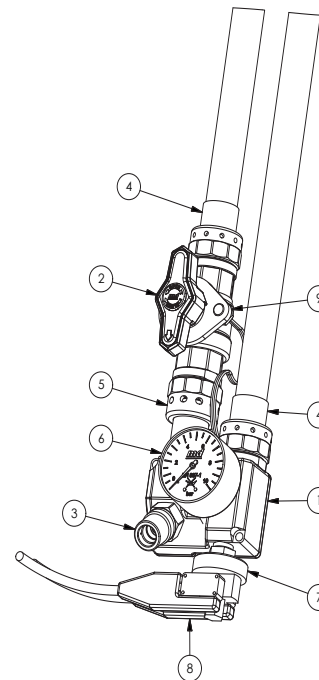
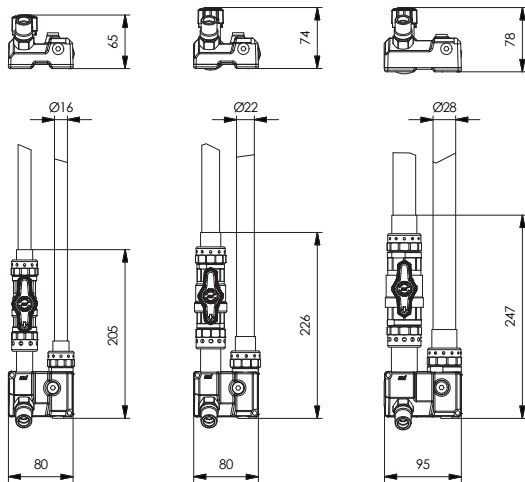
- ▶ Working temperature: +10 °C ÷ +40 °C
- ▶ Connection with pressure switch G 1/8"
- ▶ Connection with pressure gauge G 1/8"
- ▶ Precision class pressure gauges (opt.): 2.5
- ▶ Area block group weight:
 - Ø16: 2.0 kg
 - Ø22: 2.2 kg
 - Ø28: 2.4 kg
- ▶ Package: bag





Area valves - Standard HTM 02-01

DIMENSIONS



KEY:

1. Brass body
2. Ball valve
3. Emergency inlet point [AFNOR / NIST]
4. Inlet/outlet fitting for pipe welding [optional]
5. Nut with visualization of physical block device
6. [Complementary Equip.] Pressure gauge
7. [Complementary Equip.] Pressure switch
8. [Complementary Equip.] Connector
9. [Complementary Equip.] Valve kit

VALVE SIZE G 1/2" - Ø15 ÷ Ø16

GAS	CODE / EMERGENCY INLET		PRESSURE bar	COMPLEMENTARY EQUIPMENT		
	NIST	NF S 90-116		PRESSURE GAUGE*	PRESSURE SWITCH *	VALVE KIT***
Oxygen	PF-61N0-00O2	PF-61A0-00O2	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6100
Air 4	PF-61N0-00AC	PF-61A0-00AC	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6100
CO ₂	PF-61N0-0CO2	PF-61A0-0CO2	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6100
N ₂ O	PF-61N0-0N2O	PF-61A0-0N2O	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6100
Air 8	PF-61N0-0AC8	PF-61A0-0AC8	8 ^{+2,0} / _{-1,0}	KT-030M-0016	KT-2200-2000	KT-110F-6100

VALVE SIZE G 3/4" - Ø22

GAS	CODE / EMERGENCY INLET		PRESSURE bar	COMPLEMENTARY EQUIPMENT		
	NIST	NF S 90-116		PRESSURE GAUGE*	PRESSURE SWITCH *	VALVE KIT***
Oxygen	PF-61N1-00O2	PF-61A1-00O2	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6101
Air 4	PF-61N1-00AC	PF-61A1-00AC	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6101
CO ₂	PF-61N1-0CO2	PF-61A1-0CO2	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6101
N ₂ O	PF-61N1-0N2O	PF-61A1-0N2O	4 ^{+1,0} / _{-0,0}	KT-030M-0010	KT-2200-1000	KT-110F-6101
Air 8	PF-61N1-0AC8	PF-61A1-0AC8	8 ^{+2,0} / _{-1,0}	KT-030M-0016	KT-2200-2000	KT-110F-6101
Vacuum	PF-6101-000V		≤ -0,4	KT-030M-000V	KT-2200-000V	KT-110F-6101

VALVE SIZE G 1" - Ø28

GAS	CODE	PRESSURE bar	COMPLEMENTARY EQUIPMENT		
			PRESSURE GAUGE*	PRESSURE SWITCH**	VALVE KIT***
Vacuum	PF-6102-000V	≤ -0,4	KT-030M-000V	KT-2200-000V	KT-110F-6102

* Pressure gauge scales: 0-10 bar for compressed gases; 0-16 bar for instrumental air; 0- -1 bar for vacuum

** Calibration pressure: 3,2 – 4,8 bar for compressed gases; 6,4 – 9,6 bar for instrumental air; -0,34 bar for vacuum

*** Sensors to monitor the status of service of the valve (open/close)





NIST emergency inlet for AVSU - Standard HTM 02-01

IDENTIFICATION

- ▶ NIST emergency inlet for medical gases and vacuum
- ▶ Brass body inlet and base block
- ▶ Inlet/outlet copper pipes
- ▶ Flush or surface lockable cabinet in painted metal
- ▶ Brass cap to prevent leakage when inlets are not in use
- ▶ Tubes available in different diameters: Ø 16, Ø 22, Ø 28
- ▶ Gas specific identification plastic ring
- ▶ Gas flow direction stickers
- ▶ Safe crash door to access inlets in case of emergency



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- ▶ Gases: Vacuum, Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Instrument Air
- ▶ Storage temperature: -20 °C ÷ +60 °C
- ▶ Diameter inlet/outlet piping G1/2":
Ø = 16 x 1 mm
- ▶ Diameter inlet/outlet piping G3/4":
Ø = 22 x 1 mm
- ▶ Diameter inlet/outlet piping G1" (vacuum):
Ø = 28 x 1 mm

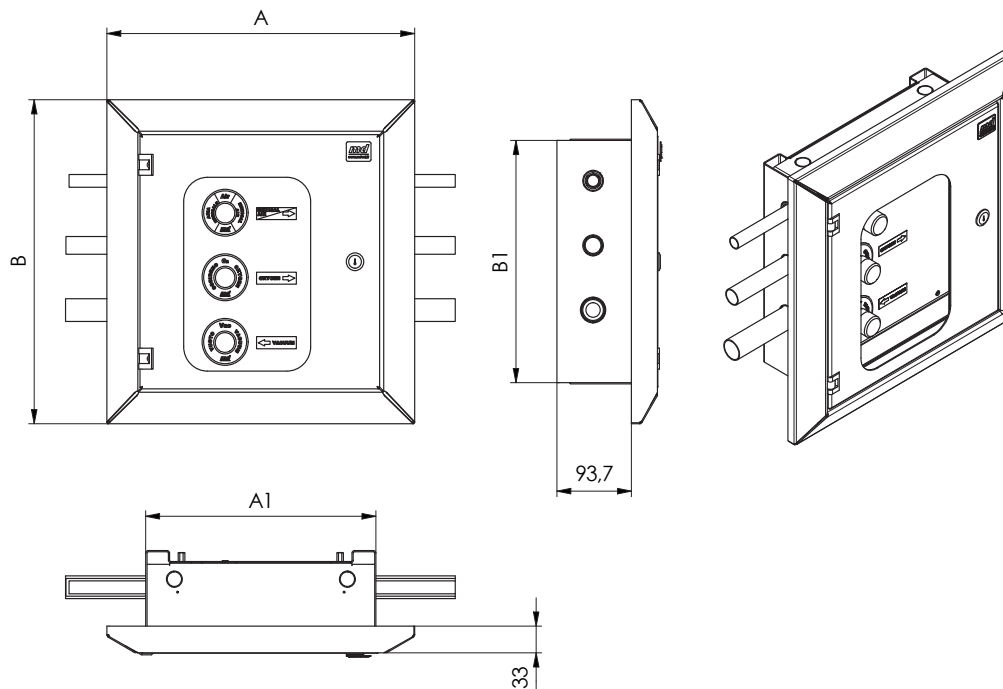
- ▶ Working temperature: +10 °C ÷ +40 °C
- ▶ NIST block group weight:
 - 1 gas: 2,50 kg
 - 2 gas: 5,00 kg
 - 3 gas: 7,50 kg
 - 4 gas: 10,00 kg
 - 5 gas: 12,50 kg
 - 6 gas: 15,00 kg
- ▶ Complete kit ready to be connect to the medical gas network
- ▶ Package: box





NIST emergency inlet for AVSU - Standard HTM 02-01

DIMENSIONS



NIST EMERGENCY INLET FOR AVSU - STANDARD HTM 02-01

GAS	FLUSH MOUNTING	SURFACE MOUNTING	A	B	A1	B1	PACKAGING		
							PACKAGE	WEIGHT	DIMENSIONS
1	PF-34N1-010T	PF-34N1-020T	388 mm	241 mm	290 mm	143 mm	BOX	2.50 kg	388x94x241 mm
2	PF-34N2-010T	PF-34N2-020T		321 mm		223 mm		5.00 kg	388x94x321 mm
3	PF-34N3-010T	PF-34N3-020T		401 mm		303 mm		7.50 kg	388x94x401 mm
4	PF-34N4-010T	PF-34N4-020T		481 mm		383 mm		10.00 kg	388x94x481 mm
5	PF-34N5-010T	PF-34N5-020T		561 mm		463 mm		12.50 kg	388x94x561 mm
6	PF-34N6-010T	PF-34N6-020T		641 mm		543 mm		15.00 kg	388x94x641 mm

