

THE MEZ-type VALVES (MANIFOLDS) ARE DESIGNED FOR ASSEMBLING IN MEASUREMENT & CONTROL SYSTEMS. THEY ARE USED FOR SWITCHING ON THE FLOW, DIFFERENTIAL PRESSURE AND PRESSURE TRANSMITTERS FOR OPERATION, OR SWITCHING THEM OFF. THEY ENABLE ZERO AND RANGE CHECKING ON TRANSMITTERS AND BLOWING DOWN OF IMPULSE TUBES. THE VALVES ARE PROVIDED BY THE MANUFACTURER WITH SETTING KEY.



- high reliability
- different material versions for water, steam and oxygen
- body material: 15HM or 13HMF
- nominal pressure up to 32 MPa

TECHNICAL DATA

Valve type	MEZ-14-00/X-X-X-1/X	MEZ-14-00/X-X-X-2/X	MEZ-14-02/X-X-X-3/X
Nominal diameter [mm]:	DN 5, DN 8	DN 5, DN 8	DN 5, DN 8
Nominal pressure:	32 Mpa	32 MPa	32 MPa
Test pressure:	45 MPa	45 MPa	45 MPa
Highest operating temperature:	400°C	520°C	560°C
Numerical values of permissible operating pressures, in function of nominal pressure and operating temperature, acc. to PN-89/H-02650:	acc. to graph	acc. to graph	acc. to graph
Valve material:	steel 15HM	steel 15HM	steel 13HMF
Valve sealing material:	graphite	graphite	graphite
Valve version:	standard	standard	standard
Mass:	7 kg	8 kg	8 kg

Technical Drawing 1: Front View

Dimensions: 180, 30, 5, 54^{+0.2}, 41.3^{+0.1}, 5.

Technical Drawing 2: Side View

Dimensions: 142, 180^{+0.2}, 270, 315, 120, 230, 60, 30, 12, 14, 8.5, 25.

Labels: INLET, OUTLET, Impulse tubes to be welded, Drain ends for blowing, Ball-type end - o.d.: 14 & 12 for welding or self-locking ring - i.d.: 14 & 12.

Technical Drawing 3: Detail View A-A

Dimensions: 12.5 dia. - 4 holes, max 75, 81, 43, 17.8, 12, 2, 44 or 34, 81.

Label: Transmitter assembly side.

Technical drawings of the 315 mm diameter transmitter assembly, showing front, side, and detail views.

Front View (Top):

- Overall width: 315 mm
- Overall height: 180 mm
- Distance between centerlines of impulse tubes: 54 mm
- Impulse tube diameter: $\phi 14$
- Base diameter: $\phi 8.5$
- Distance from base to centerline of impulse tubes: 41.3 mm

Side View (Bottom):

- Overall height: 230 mm
- Distance from inlet to base: 120 mm
- Distance from outlet to base: 60 mm
- Distance between centerlines of impulse tubes: 270 mm
- Distance from base to centerline of impulse tubes: 180 mm
- Distance from base to centerline of impulse tubes: 142 mm
- Distance from base to centerline of impulse tubes: 120 mm
- Distance from base to centerline of impulse tubes: 60 mm
- Distance from base to centerline of impulse tubes: 25 mm
- Transmitter assembly side
- Drain ends for blowing
- INLET
- OUTLET
- Impulse tubes to be welded

Detail View A-A (Right):

- Section line A-A
- 12.5 dia. - 4 holes
- max 75
- 81
- 44 or 34
- 43

Notes:

- Ball-type end - o.d.: 14 & 12 for welding or self-locking ring - i.d.: 14 & 12

INLET

270

$\phi 14$

$\phi 8.5$

180 ± 0.2

142

30

$\phi 12$

2

$\phi 17.8^{+0.1}$

$L^{+0.1}$

315

180 ± 0.2

$\phi 12$

4 holes

25

60

210

~570

250

OUTLET

Drain ends for blowing

Ball-type end - o.d.: 14 & 12 for welding
or self-locking ring - i.d.: 14 & 12

Impulse tubes to be welded

30

81

5

12.5 dia. - 4 holes

max 75

44
or 34

Transmitter assembly side

41.3 ± 0.1

5

DN8

max 180

INLET

270

$\phi 14$

$\phi 8.5$

180 ± 0.2

142

30

~570

250

210

315

180 ± 0.2

$\phi 12$

4 holes

25

60

OUTLET

Drain ends for blowing

Ball-type end - o.d.: 14 & 12 for welding
or self-locking ring - i.d.: 14 & 12

Impulse tubes to be welded

30

81

5

12.5 dia. - 4 holes

max 75

44
or 34

Transmitter assembly side

41.3 ± 0.1

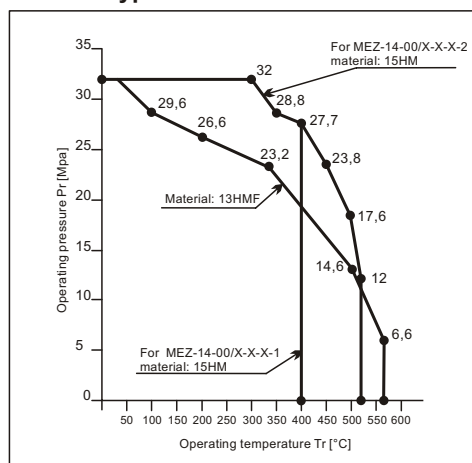
5

DN8

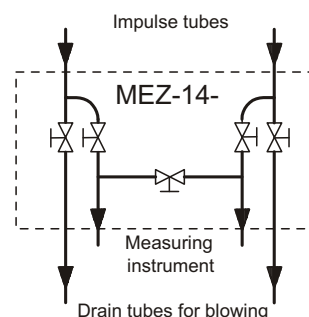
max 180

GRAPH

Range of operating pressures versus operating temperature
for valves type: MEZ-14-00 and MEZ-14-02



BLOCK DIAGRAM



ORDERING OF MEZ-14- VALVES (MANIFOLDS)

MEZ-14-	Blocked valves (manifolds)	
	CODE1	VALVE BODY MATERIAL TYPE
	00/* 02/	Steel 15HM Steel 13HMF (elongated gland)
	CODE2	APPLICATION AND CONNECTING TO TRANSMITTER
	1- 2-	for direct assembly to transmitter for assembly by impulse tubes to transmitter
	CODE3	IMPULSE HOLES SPACING
	1- 2-	L = 54 mm special version after agreement with manufacturer
	CODE4	IMPULSE DRAIN TUBE
	1 2 3 4 5 6	φ 14 for welding with ball-end φ 12 for welding with ball-end φ 14 with self-locking ring φ 12 with self-locking ring ø14 for welding with flat end ø12 for welding with flat end
	CODE5	HIGHEST OPERATING TEMPERATURE
	1 2 3	400°C 520°C 560°C
	CODE6	ASSEMBLY SCREWS
	/S /A	Standard screws 7/16"x 60 screws M10x55 for assembly with APLISENS transmitters
MEZ - 14 - 00 / 1 - 1 - 3 - 1 - A VALVE TYPE		

* It is possible to make valves (manifolds) with:

- elongated glands (it has to be denoted in the order)
- ends for connect the valve (manifold) with installation from material different as all valve (manifold)
- it has to be denoted in the order after agreement with manufacturer

The right of introducing design changes in the product, without deteriorating of its operation parameters, is reserved.