

	TECHNICAL PRODUCT DOCUMENTATION	MEZ-15 - DTR
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MANOMETRIC MANIFOLD (VALVE)

type:

MEZ-15-

MEZ-15.1-

MEZ-15.2-

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1. INSTRUCTIONS AND WARNINGS

In case of not fulfilling the recommendations and warnings one can have serious body injuries, and/or serious material damages. The attendance personnel must be properly trained and acquainted with all the safety recommendations and warnings.

Reliable and safe operation of the valve is dependent of providing the proper transportation, storing, assembling and start-up.

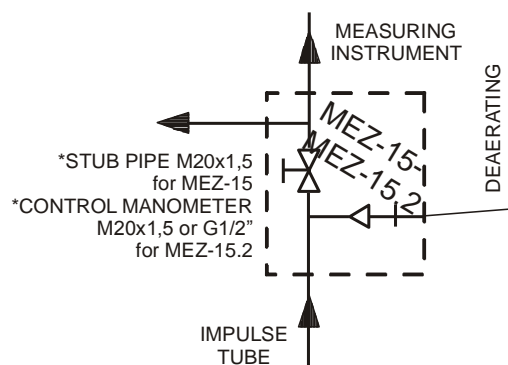
The present Technical Product Documentation contains important remarks in the scope of safety which were denoted with the below shown pictograms:

	<p>This sign means: Indicator</p> <p>This “Indicator” shows an operation or process being of essential importance for proper operation of the device. Material damages can occur in case of not observing this recommendation.</p>
	<p>This sign means: Warning</p> <p>This “Warning” shows an operation or process which in case of improper operation can cause danger to the attendance personnel or serious material damages.</p>

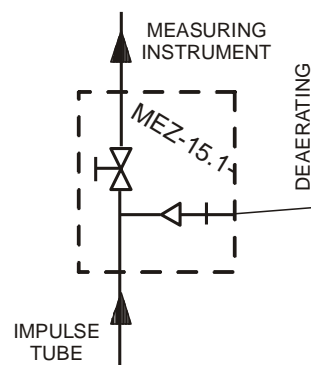
2. APPLICATION

The one-way manifold (valve) DN5 PN320 are applied in the industrial automation Instrumentation&Controls systems.

BLOCK DIAGRAM



BLOCK DIAGRAM



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3. DESIGN

The manifold (valve) is made of steel 15HM or stainless steel 1H18N9T (321ss).

The impulse ends of the valve are adapted for welding the tubes of 12 and 14 dia. or they are equipped with self-clamping (self-locking) rings of 12 and 14 dia.

Manifold's (valve's) equipment – the manifolds (valves) are provided with setting key to enable quick manifold (valve) servicing.

4. TECHNICAL DATA

Permissible operating temperatures:

- for manifolds (valves) MEZ - 15 - 00, MEZ – 15.1 - 00 and MEZ - 15.2-00 - 00 up to 400° C
- for manifolds (valves) MEZ - 15 - 01, MEZ – 15.1 - 01 and MEZ – 15.2 - 01 up to 250° C
- for manifolds (valves) MEZ - 15 - 03, MEZ – 15.1 – 03 and MEZ – 15.2 - 03 up to 200° C

Manifold's (Valve's) type	Version	Material
MEZ-15-00, MEZ-15.1-00, MEZ-15.2-00	Normal	15 HM
MEZ-15-01, MEZ-15.1-01, MEZ-15.2-01	Acidproof	1H18N9T (321ss)
MEZ-15-03, MEZ-15.1-03, MEZ-15.2-03	For oxygen	1H18N9T (321ss)

Passage diameter:

5 mm

Mass:

1,8 kg

5. OPERATING RECOMMENDATIONS



1. The leak-proofness of gland should be checked periodically, in case the leakage of gland – the gland should be turn.
2. The valve (manifold) don't have to be maintained.

6. ORDERING AND CONDITIONS OF DELIVERY

The delivery consists of the following elements:

- | | |
|--|------|
| 1. Complete manifold (valve) MEZ-15-, MEZ-15.1- or MEZ-15.2- | 1 pc |
| 2. Key, complete, drawing no. ME2-0153 | 1 pc |
| 3. Technical Product Documentation | 1 pc |
| 4. Guarantee Card and Acceptance Certificate type 3.1 | 1 pc |

The manifold (valve) is delivered in the cardboard packing

It is possible to get (on separate order) as spare parts:

- | | |
|---------------------------------------|--------|
| 1. spindle-seal ϕ 15/ ϕ 9x6 | 2 pcs. |
|---------------------------------------|--------|



**Nominal pressure P_{nom} for impulse 12 dia. tubes,
sealed with self-locking rings, is 16 MPa.**

7. ORDERING METHOD

MEZ-15-	Manometric valves (manifolds) with manometric end
MEZ-15.1-	Manometric valves (manifolds) without manometric end
MEZ-15.2-	Manometric valves (manifolds) with additional manometric connector

CODE1	VALVE BODY MATERIAL TYPE
00/	Steel 15HM
01/	Steel 1H18N9T (321 ss) acid-proof
03/	Steel 1H18N9T (321 ss) for oxygen

CODE2	APPLICATION AND CONNECTING TO TRANSMITTER TECHNIQUE
3-	for pressure transmitters and manometers with connecting end M20x1.5
4-	for pressure transmitters and manometers with connecting end G1/2
6-	for double-side installing of impulse tubes
7-	for pressure transmitters and manometers with M20x1,5 connector end (maifolds are adapted for assembling on bracked)
8-	for pressure transmitters and manometers with G1/2" connector end (maifolds are adapted for assembling on bracked)

CODE3	IMPULSE HOLES SPACING
0-	not concern (one hole)

CODE4	IMPULSE ENDS
1	φ 14 for welding with ball-end
2	φ 12 for welding with ball-end
3	φ 14 with self-locking ring
4	φ 12 with self-locking ring
5	ø14 for welding with flat end
6	ø12 for welding with flat end

CODE5	ADDITIONAL MANOMETRIC CONNECTOR (for MEZ-15.2)
1	Internal thread M20x1,5
2	internal thread G1/2"

MEZ - 15 - 00 / 4 - 0 - 3	VALVE (MANIFOLD) TYPE
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8. MANUFACTURER'S DECLARATION



CONTROLMATICA ZAP-PNEFAL Sp. z o. o.
ul. Krotoszyńska 35
63-400 Ostrów Wielkopolski
www.controlmatica.com.pl



Ostrów Wielkopolski, 10 października 2008r.

OŚWIADCZENIE PRODUCENTA

Oświadczamy, że wyroby MEZ – 10 ÷ 25 spełniają wymagania dyrektywy „Urządzenia Ciśnieniowe” 97/23/WE według art. 3 ust. 3.

Są wykonane zgodnie z uznaną praktyką inżynierską i nie podlegają oznaczeniu CE.

Stosowane jako osprzęt ciśnieniowy zbiorników do gazów zaliczanych do płynów grupy 1 (klasyfikacja wg dyrektywy) mają ograniczenie ciśnienia do 20MPa.

KIEROWNIK
DZIAŁU TECHNICZNEGO
[illegible signature]
mgr inż. Krzysztof Idzior

PREZES ZARZĄDU
[illegible signature]
Sebastian Moch

Ostrów Wielkopolski, on 10th October 2008

PRODUCER'S DECLARATION

We declare that the products type MEZ-10...25, meet the requirements of the EU Directive „Pressure-type Equipment” no. 97/23/WE, according to Article 3, section 3.

These products are made with the acknowledged engineering practice and are not subject to the CE marking.

These products are used as the pressure accessories of tanks for gases included into the Group 1 liquids (classification acc. to the a. m. Directive) and have pressure limitation up to 20 MPa.

Signed by:
Technical Dept. Manager
(-) *illegible signature*
mgr inż. Krzysztof Idzior

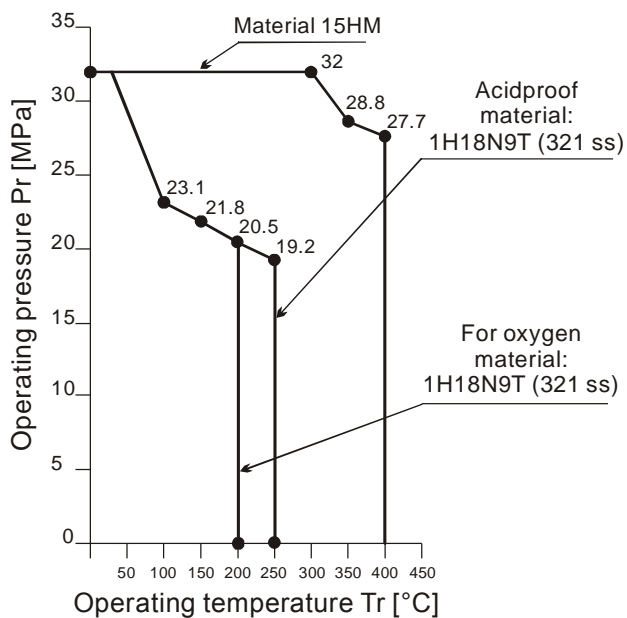
Signed by:
President of the Board
(-) *illegible signature*
Sebastian Moch

9. ENCLOSURES

ENCLOSURE NO. 1

GRAPH

Range of operating pressures versus operating temperature for valves type:
MEZ-15-, MEZ-15.1 and MEZ-15.2



ENCLOSURE NO. 2

DIMENSIONED DRAWING MEZ-15.2-XX/X-0-X

