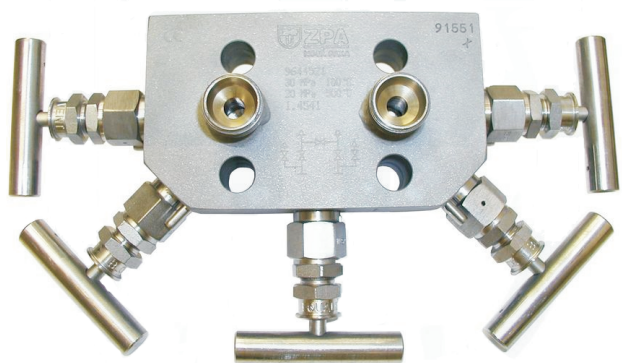


# MULTI-WAY VALVE MANIFOLD



#### DESCRIPTION:

- body material: stainless steel 17 348/1.4571
- gasket material: stainless steel 17 348/1.4571  
Si<sub>3</sub>N<sub>4</sub> or plastic
- sealing O-rings: FPM, NBR, EPDM
  - seal: PTFE, PEEK, Grafoil

#### APPLICATION:

- heating management
  - power engineering
- petrochemical industry
- pharmaceutical industry

#### TECHNICAL PARAMETERS:

- PN 42 MPa
- T<sub>max</sub> 500°C
- materials: stainless steel 17 348/1.4571  
ceramics Si<sub>3</sub>N<sub>4</sub>, plastic
  - design: 2, 3, 5 way

#### SPECIFICATION:

Multi-way valve manifolds are used mainly for safe and controlled use of differential pressure gauges and differential pressure sensors. They serve for closing, opening, bleeding and connection of impulse piping, installed for differential pressure gauges and sensors of differential pressure.

The basis of this system is a body with screwed-in valve units. Its base is part of the body of the main armature. Armatures with soft sealing have bases of special shape, which help to ensure perfect tightness. Main body material: stainless steel 17 348/1.4541. Valve units are of various constructions depending on the type of used spindle. That may consist of elastomer O-ring, or plug made of graphite or plastic seal.

- two-way valve system

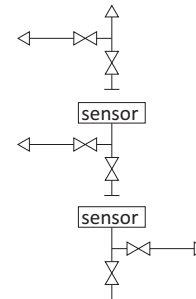
**design:**

- 1 intake
- 1 point attachment
- 2 point attachment

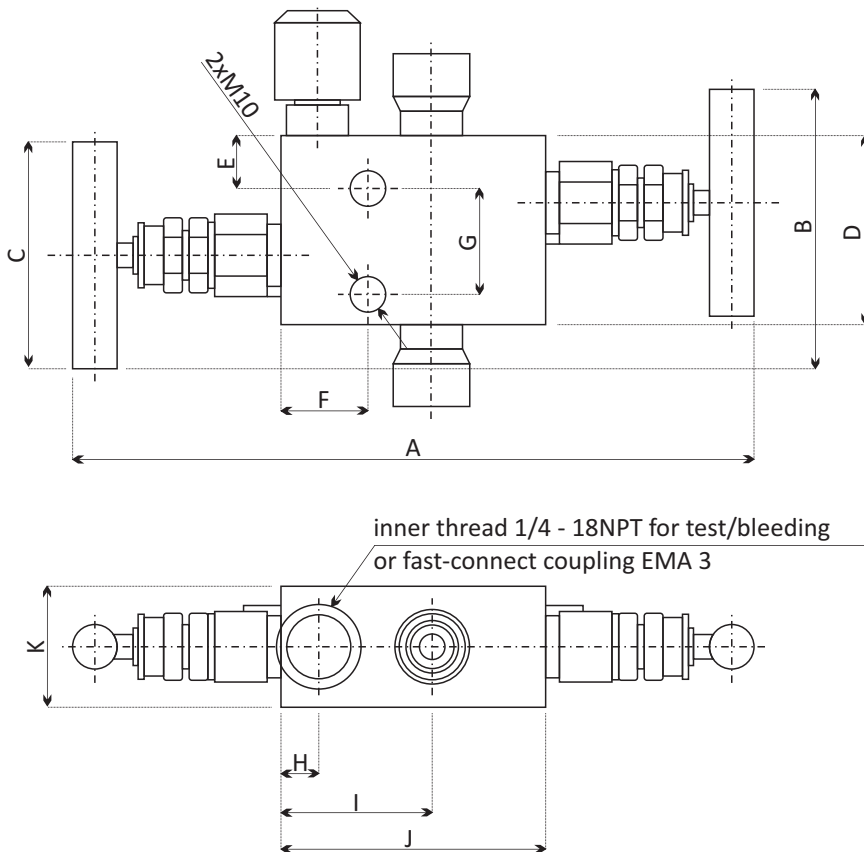
**installation:**

- between impuls piping
- on conventional or coplanar flange of the sensor
- on conventional or coplanar flange of the sensor

**manifold diagram:**

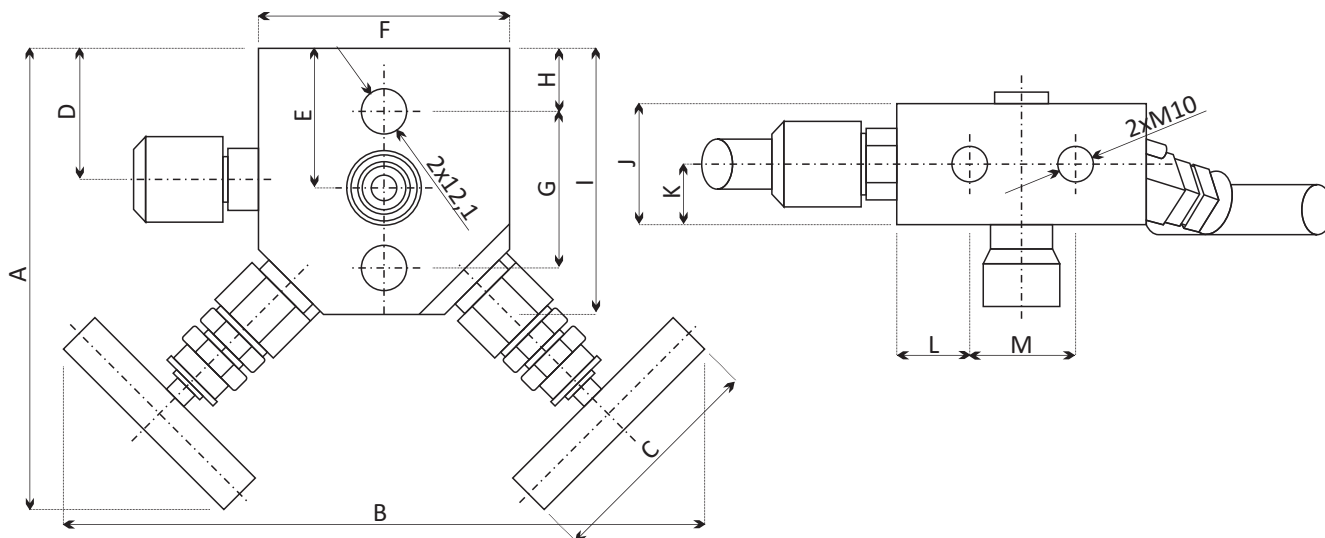


- 964 41 - two-way valve system for installation in between impuls piping



Dimenisons in mm											
Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K
FPM, NBR, EPDM	165	max.75	45	50	14	23	28	10	40	70	32
Grafit, PTFE, PEEK	185	max.75	60	50	14	23	28	10	40	70	32

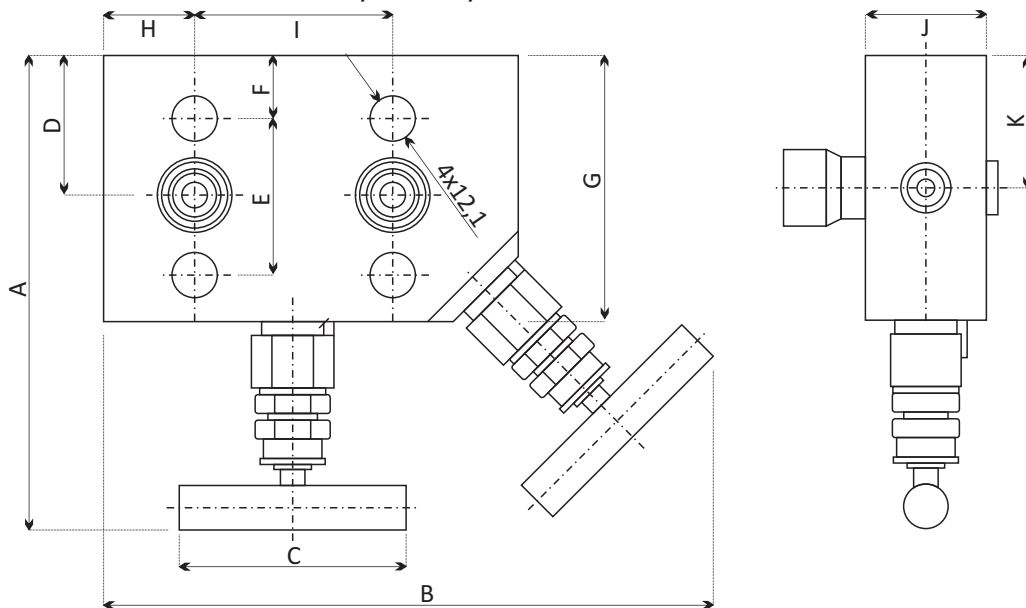
- 964 21 - two-way valve system for installation on conventional and coplanar flange



Dimensions in mm

Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K	L	M
FPM, NBR, EPDM	120	160	45	35	37,5	66	41,3	17	70	32	16	19	28
Grafit, PTFE, PEEK	130	180	60	35	37,5	66	41,3	17	70	32	16	19	28

- 964 22 - two-way valve system for installation on conventional and coplanar flange



Dimensions in mm

Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K
FPM, NBR, EPDM	165		45	37,5	41,3	17	70	23	51	32	35
Grafit, PTFE, PEEK	185		60	37,5	41,3	17	70	23	51	32	35

- three-way valve system

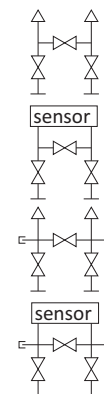
**design:**

- without air bleeding
- without air bleeding
- with bleeding valve
- with bleeding valve

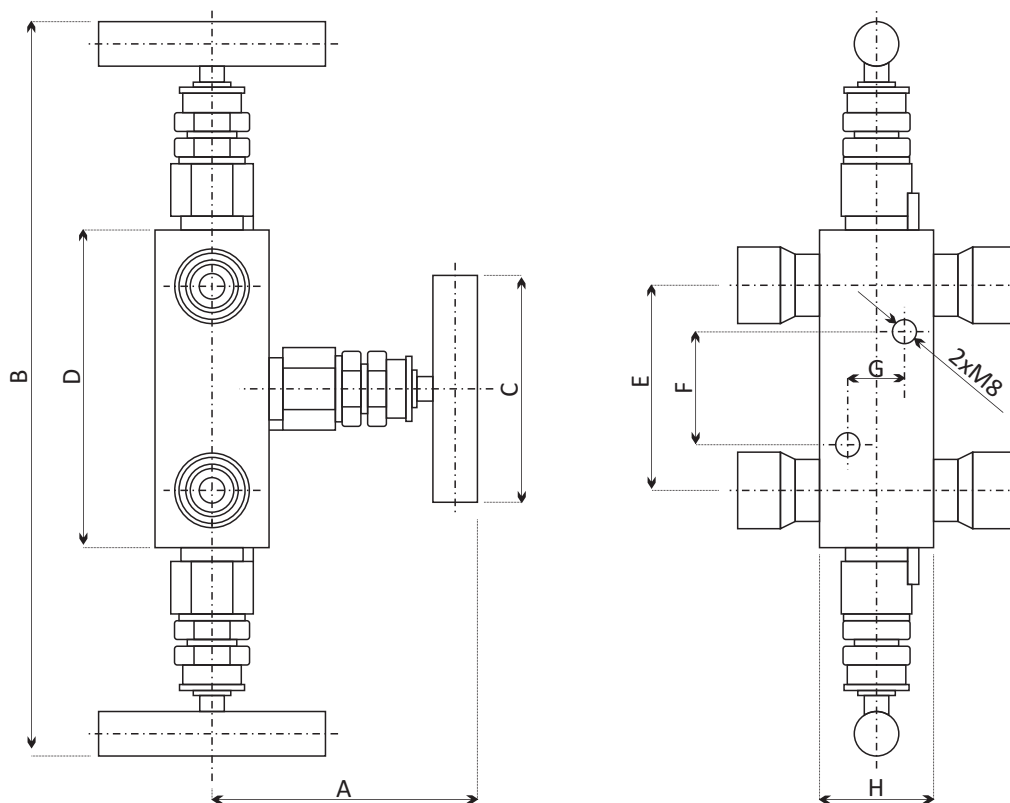
**installation:**

- between impulse piping
- on conventional or coplanar flange of the sensor
  - pitch 54mm
  - pitch 57mm
- between impulse piping- pitch 54mm
- on conventional or coplanar flange of the sensor
  - pitch 54mm
  - pitch 57mm

**system diagram:**

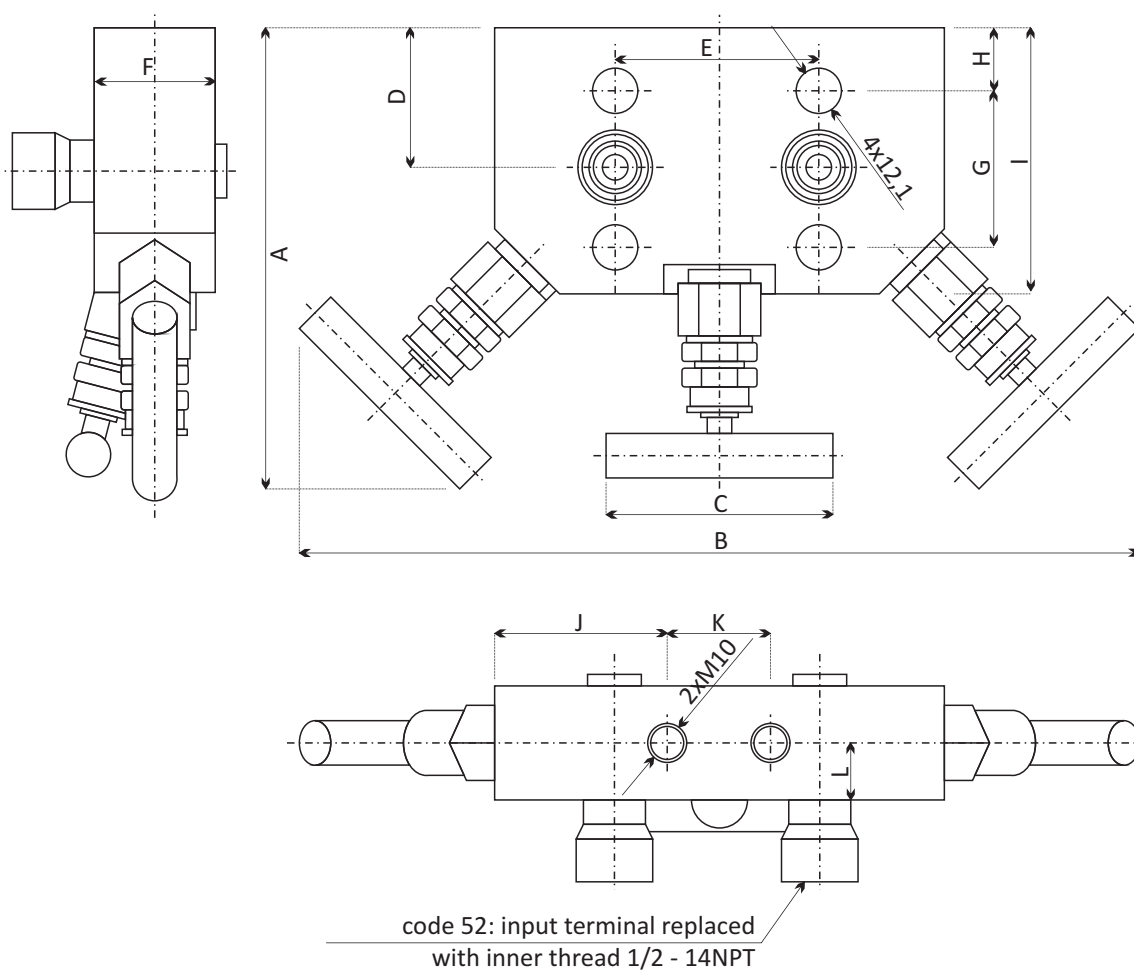


- 964 43 - three-way valve system between impulse piping with pitch 54mm



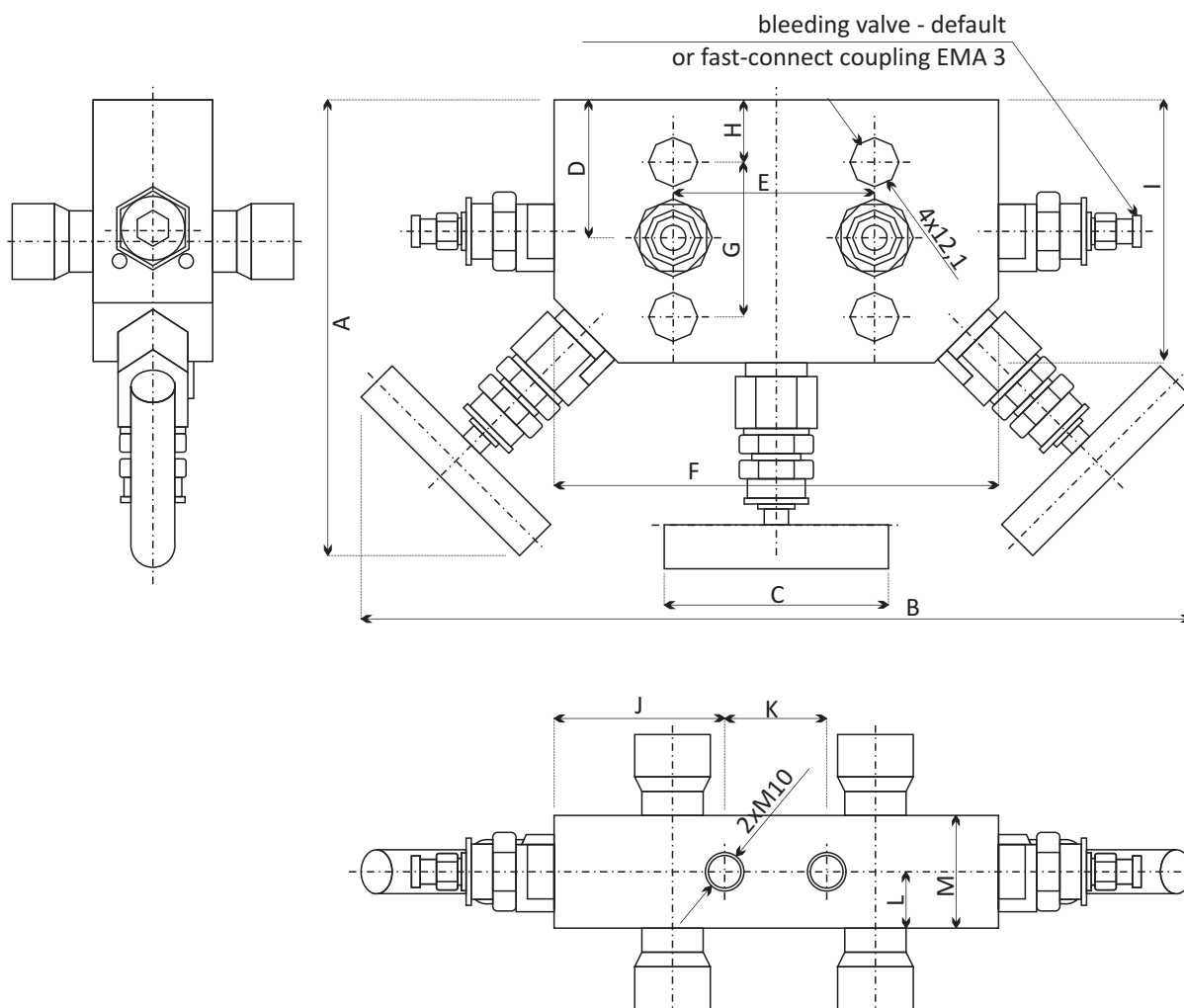
Dimensions in mm								
Spindle sealing material	A	B	C	D	E	F	G	H
FPM, NBR, EPDM	80	180	45	84	54	30	15	30
Grafit, PTFE, PEEK	90	200	45	84	54	30	15	30

- 964 23, 964 33 - three-way valve system for installation on conventional and coplanar flange



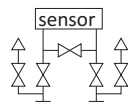
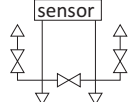
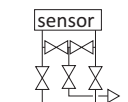
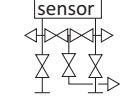
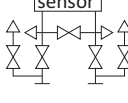
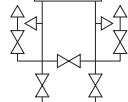
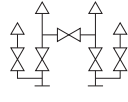
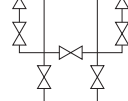
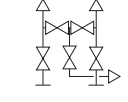
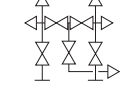
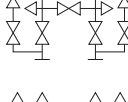
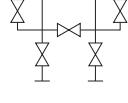
Dimensions in mm												
Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K	L
FPM, NBR, EPDM	120	215	45	37,5	54-96423/ 57-96433	32	41,3	17	70	46	28	16
Grafit, PTFE, PEEK	130	235	60	37,5	54-96423/ 57-96433	32	41,3	17	70	46	28	16

- 964 44 - three-way valve system for installation between impulse piping, with bleeding valves

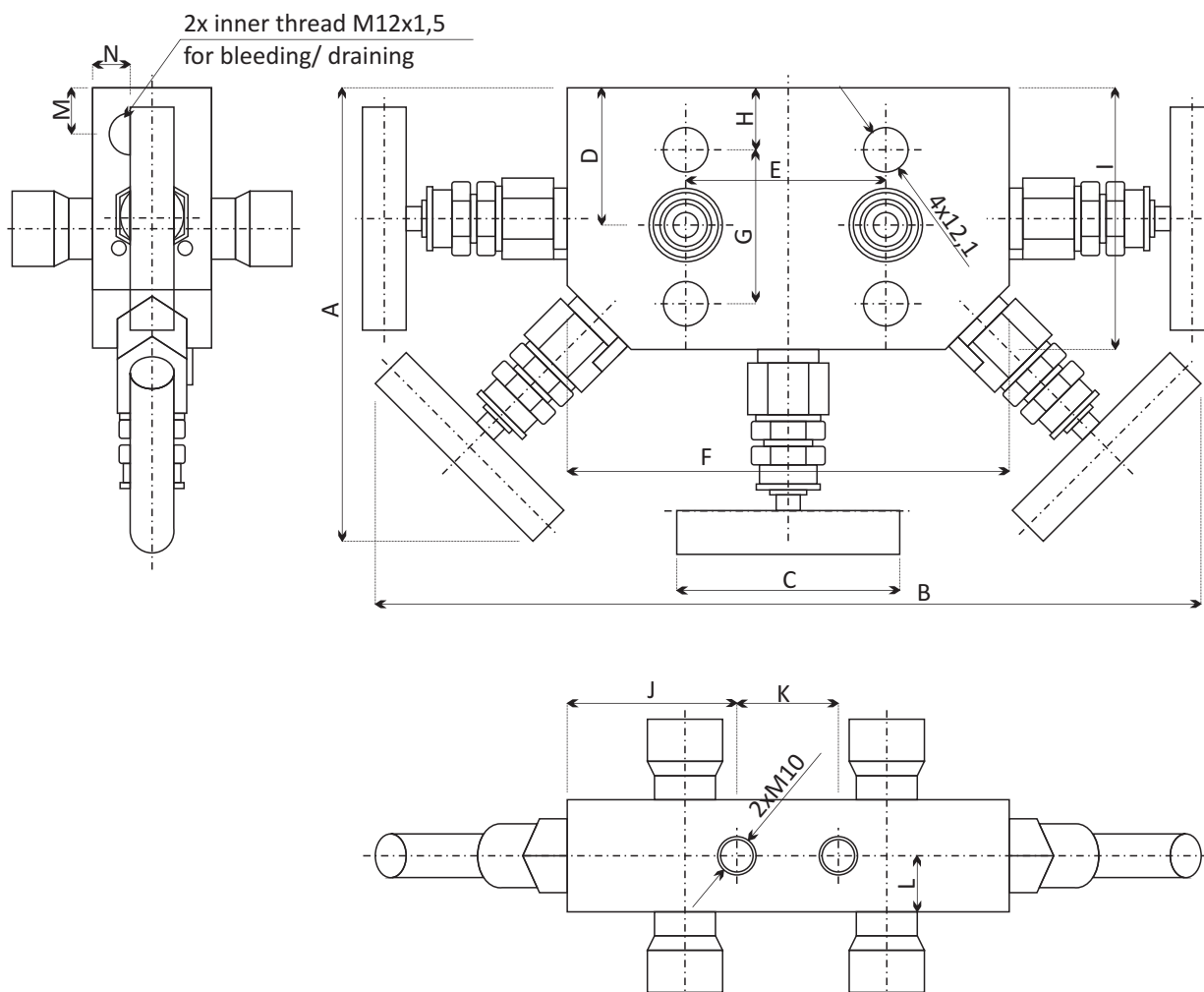


Dimensions in mm													
Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K	L	M
FPM, NBR, EPDM	120	215	45	37,5	54	120	41,3	17	70	46	28	16	32
Grafit, PTFE, PEEK	130	235	60	37,5	54	120	41,3	17	70	46	28	16	32

- five-way valve system

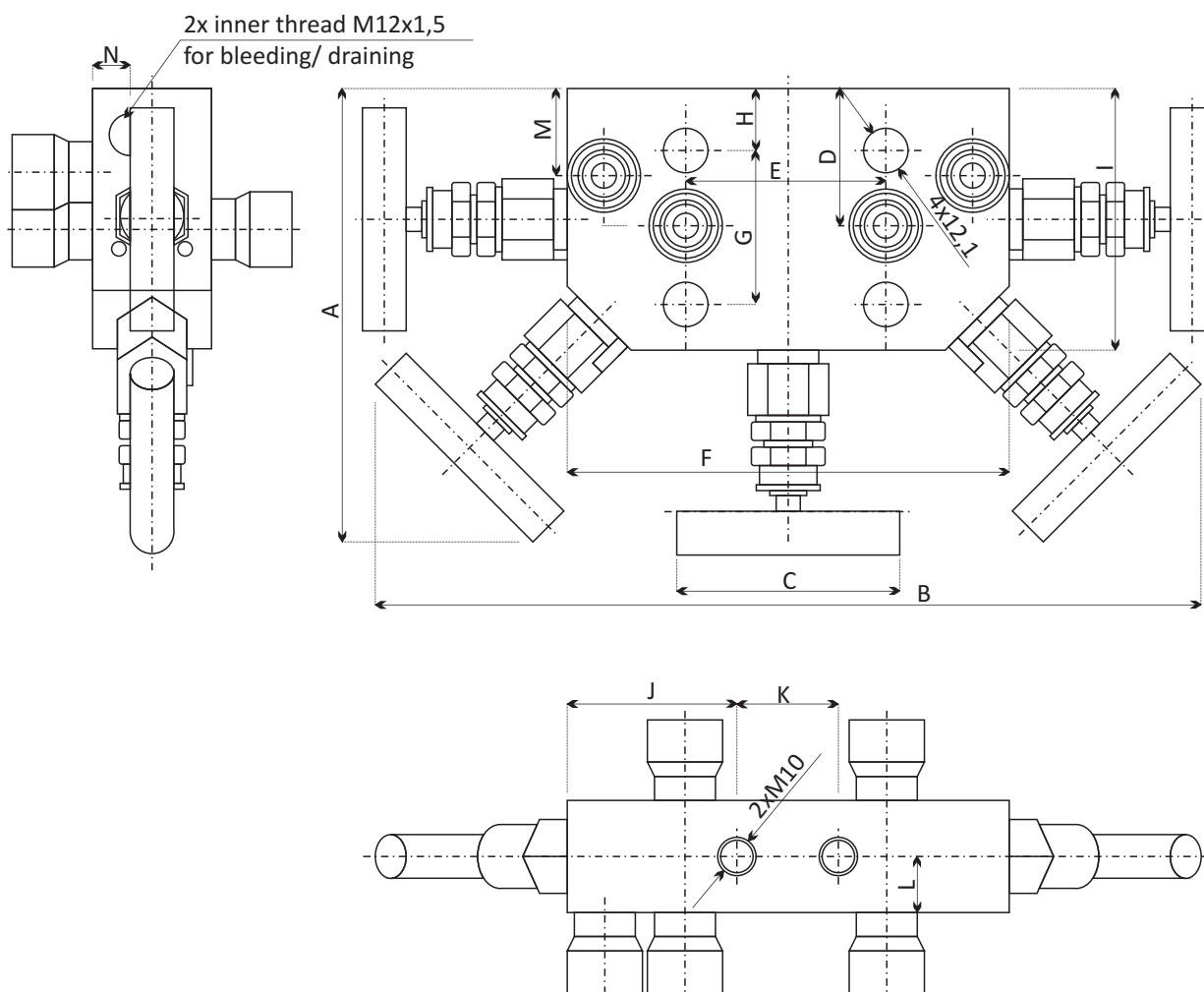
Design:	Installation:	Manifold diagram:
- without control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm - pitch 57mm	
- without control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm	
- without control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm	
- with control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm	
- with control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm	
-with control offtake	- on conventional or coplanar flange of the sensor - pitch 54mm	
- without control offtake	- between impulse piping - pitch 54mm	
- without control offtake	- between impulse piping - pitch 54mm	
- without control offtake	-between impulse piping - pitch 54mm	
- with control offtake	- between impulse piping - pitch 54mm	
- with control offtake	- between impulse piping - pitch 54mm	
- with control offtake	- between impulse piping - pitch 54mm	

- 964 45 - five-way valve system for installation between impulse piping



Dimensions in mm														
Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K	L	M	N
FPM, NBR, EPDM	120	215	45	37,5	54	120	41,3	17	70	46	28	16	12	10
Grafit, PTFE, PEEK	130	235	60	37,5	54	120	41,3	17	70	46	28	16	12	10

- 964 45..AS21 - five-way valve system for installation between impulse piping



Dimensions in mm														
Spindle sealing material	A	B	C	D	E	F	G	H	I	J	K	L	M	N
FPM, NBR, EPDM	120	215	45	37,5	54	120	41,3	17	70	46	28	16	23	10
Grafit, PTFE, PEEK	130	235	60	37,5	54	120	41,3	17	70	46	28	16	23	10