

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижегород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

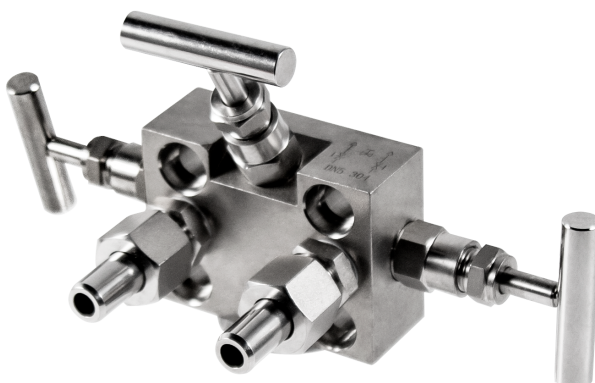
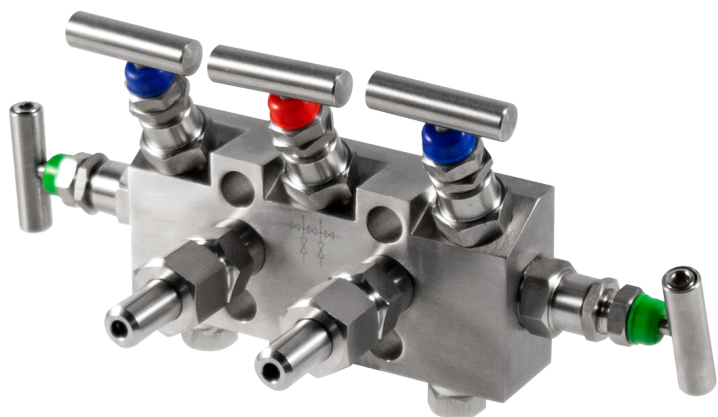
Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://microsensor.nt-rt.ru/> || moj@nt-rt.ru

Клапанные коллекторы MV7000. Технические характеристики.



|| Introduction ||

Valve manifolds are devices utilized for the actuation of opening, closing, balancing, and venting operations of differential pressure transmitters and pressure transmitters, controlling specifications such as fluid pressure, flow, and temperature. MV7000 series valve manifolds consists of shut-off valve, two-valve manifold (column), two-valve manifold, three-valve manifold, and five-valve manifold configurations.

|| Functions ||

Shut-off valve (Code: N)

- The function of the shut-off valve is to open or shut off the pipeline flow. During installation, it is crucial to ensure that the flow direction of the applicable medium aligns with the arrow direction marked on the valve body.

Column two-valve manifold (Code: M)

- The column two-valve manifold consists of a shut-off valve (for opening, closing or purging) and a vent valve (typically for debris, water, or air). It is crucial to ensure that the flow direction of the applicable medium aligns with the arrow direction marked on the valve body. The shut-off valve and the vent valve are distributed at 180°.

Two-valve manifold (Code: 2)

- The column two-valve manifold consists of a shut-off valve (for opening, closing or purging) and a vent valve (typically for debris, water, or air). It is crucial to ensure that the flow direction of the applicable medium aligns with the arrow direction marked on the valve body. The shut-off valve and the vent valve are distributed at 90°.

Three-valve manifold (Code: 3)

- The three-valve manifold consists of a valve body, two shut-off valves, and a balance valve. Based on the function of each valve in the system, it can be categorized as follows: the positive (upstream) globe valve, the negative (downstream) shut-off valve, and the balance valve located in between. The three-valve manifold is used in conjunction with a differential pressure transmitter to establish or isolate communication between the positive and negative pressure measuring chambers and the impulse point, or to isolate or establish communication between the positive and negative pressure measuring chambers.

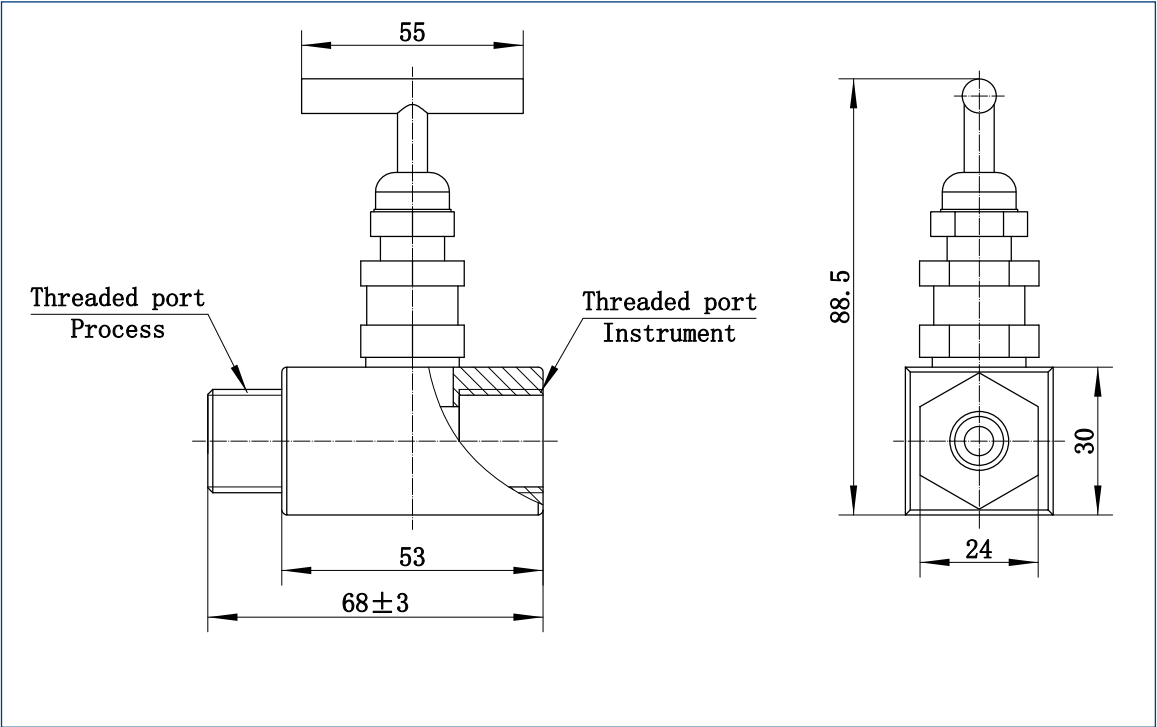
Five-valve manifold (Code: 5)

- The five-valve manifold is essentially a three-valve manifold with the addition of vent valves on both the high and low-pressure sides.

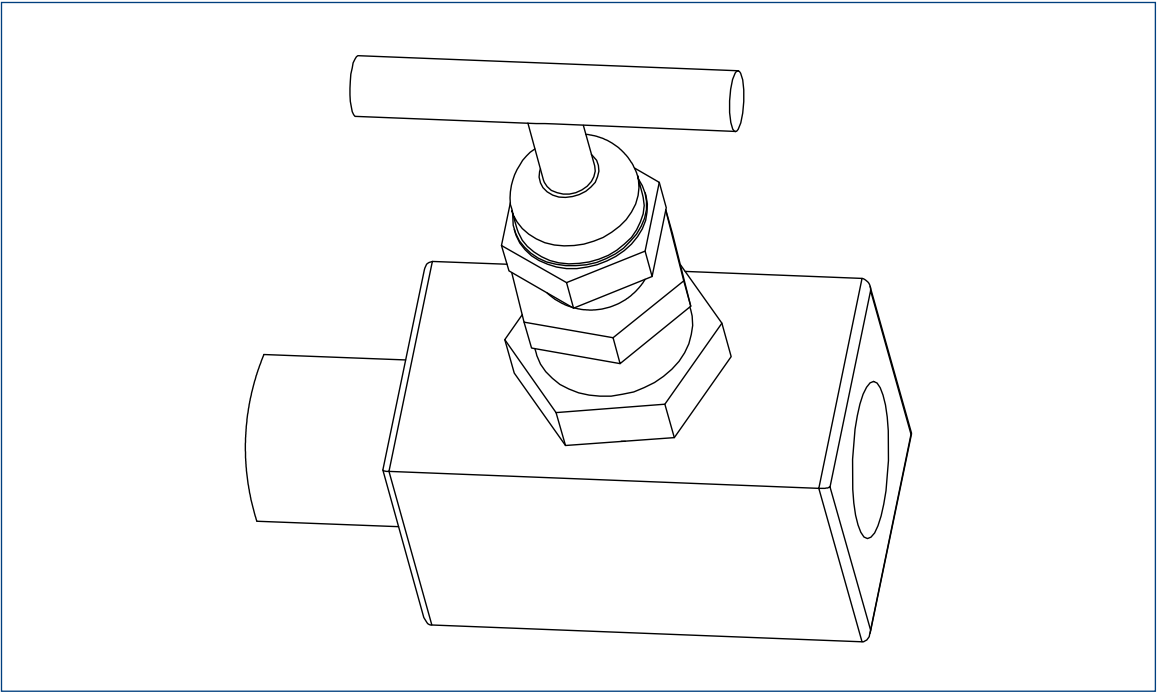
|| Illustration ||

Unit:mm

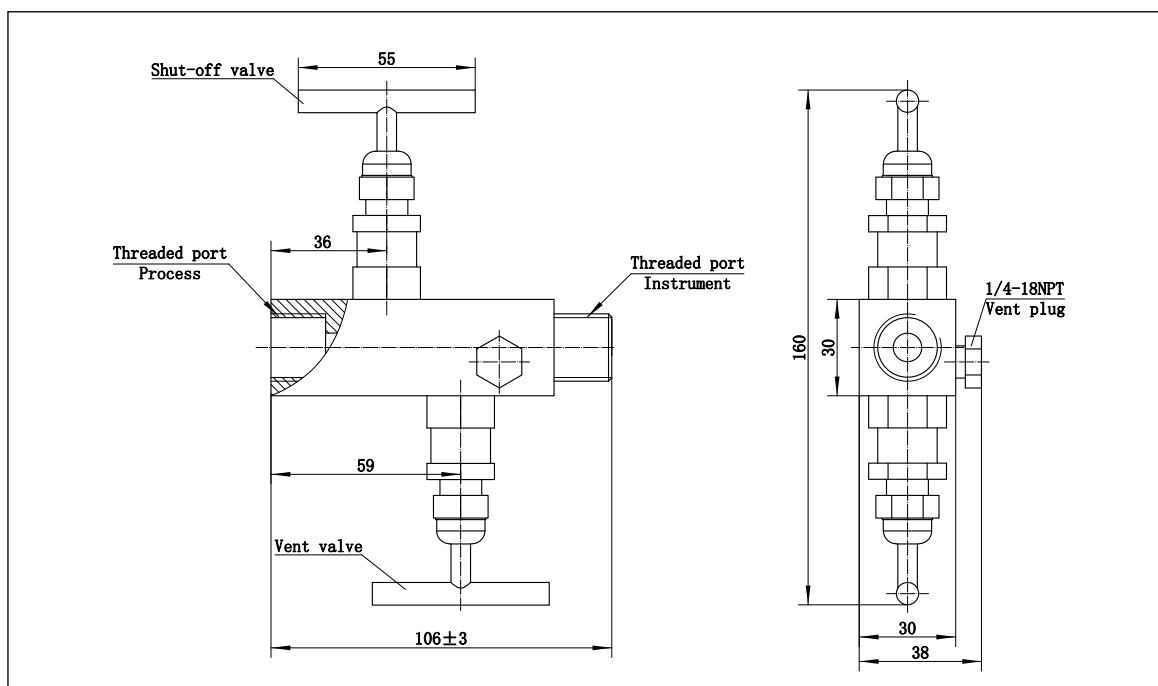
Shut-Off Valve Dimensions



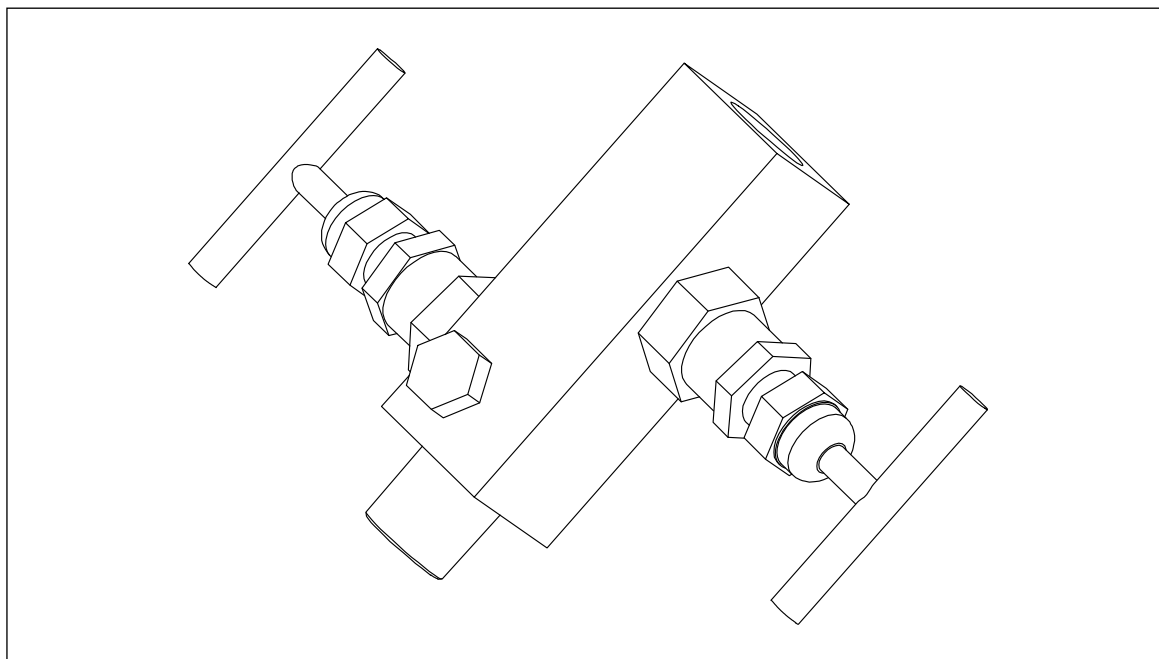
Shut-Off Valve Diagram



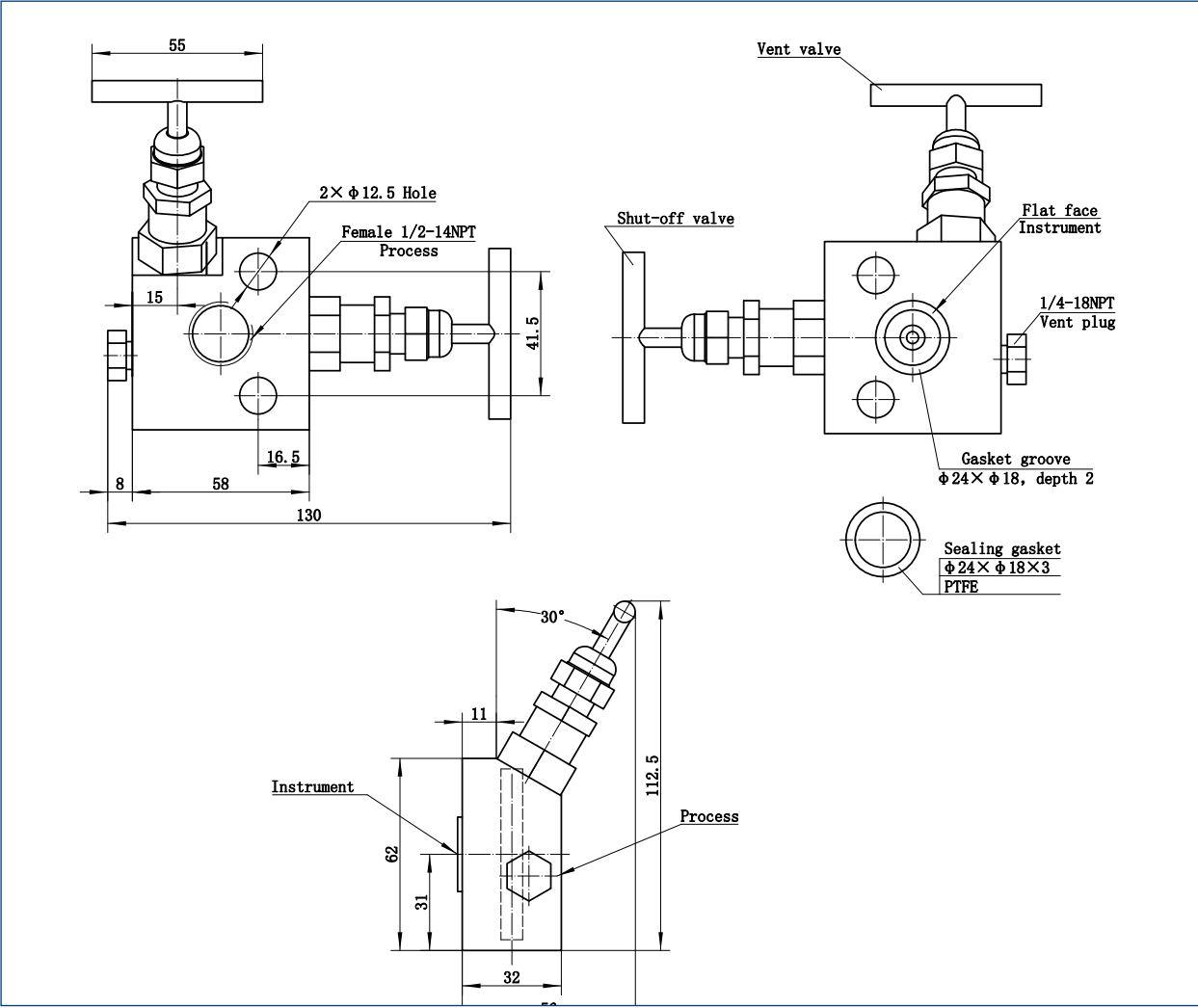
Column Two-Valve Manifold Dimensions



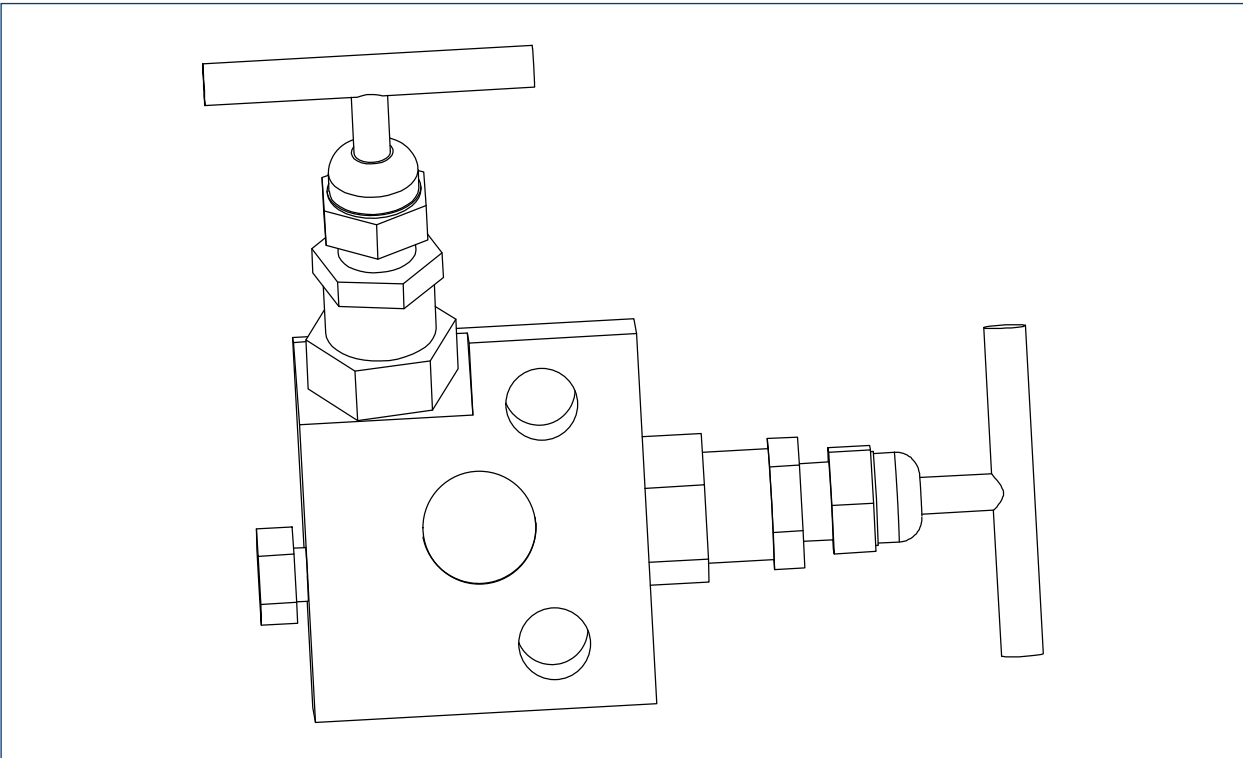
Column Two-Valve Manifold Diagram



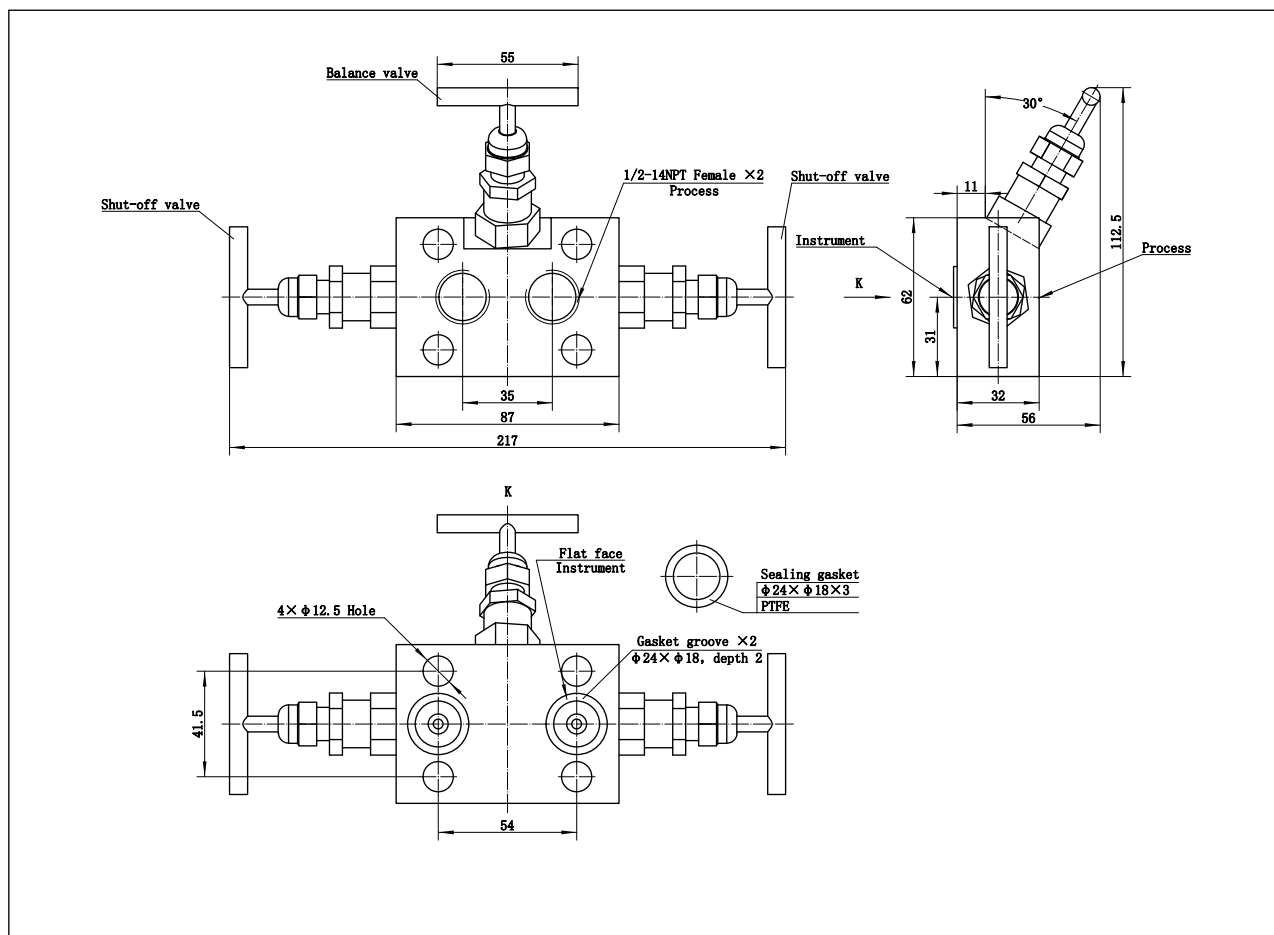
Two-Valve Manifold Dimensions



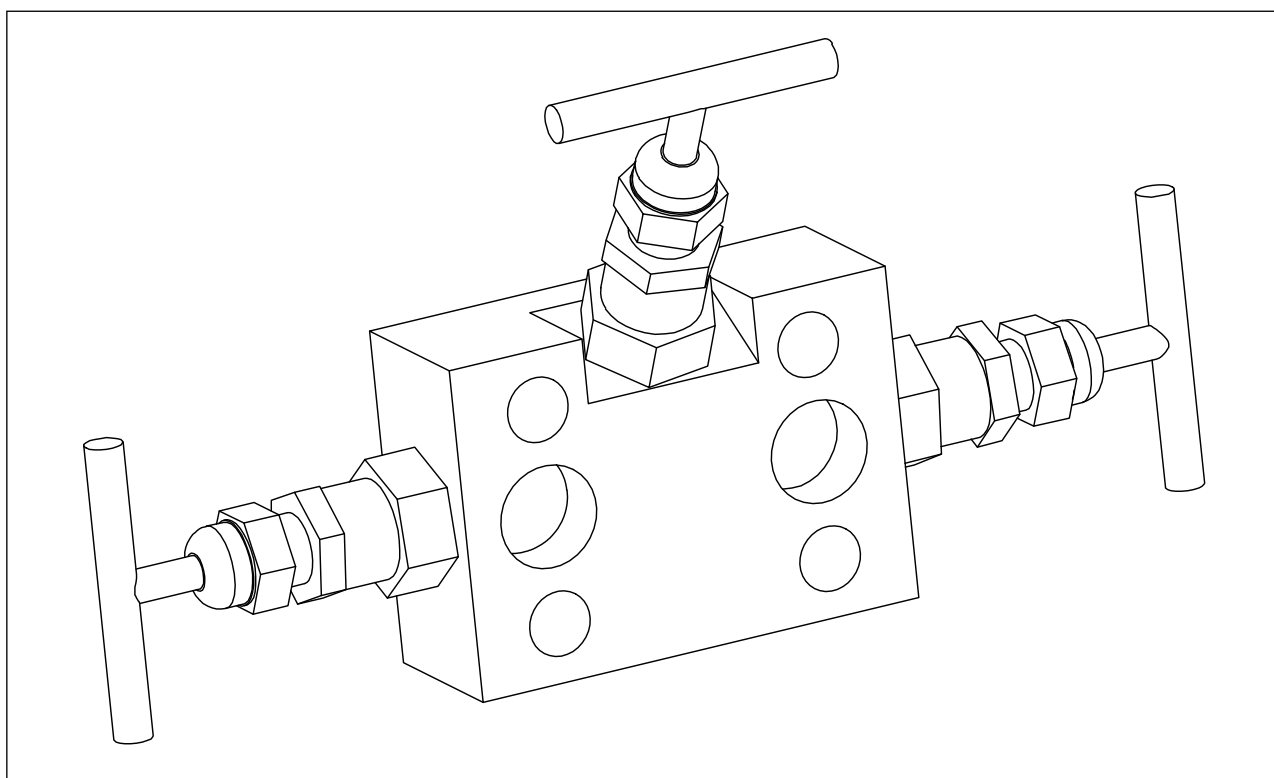
Two-Valve Manifold Diagram



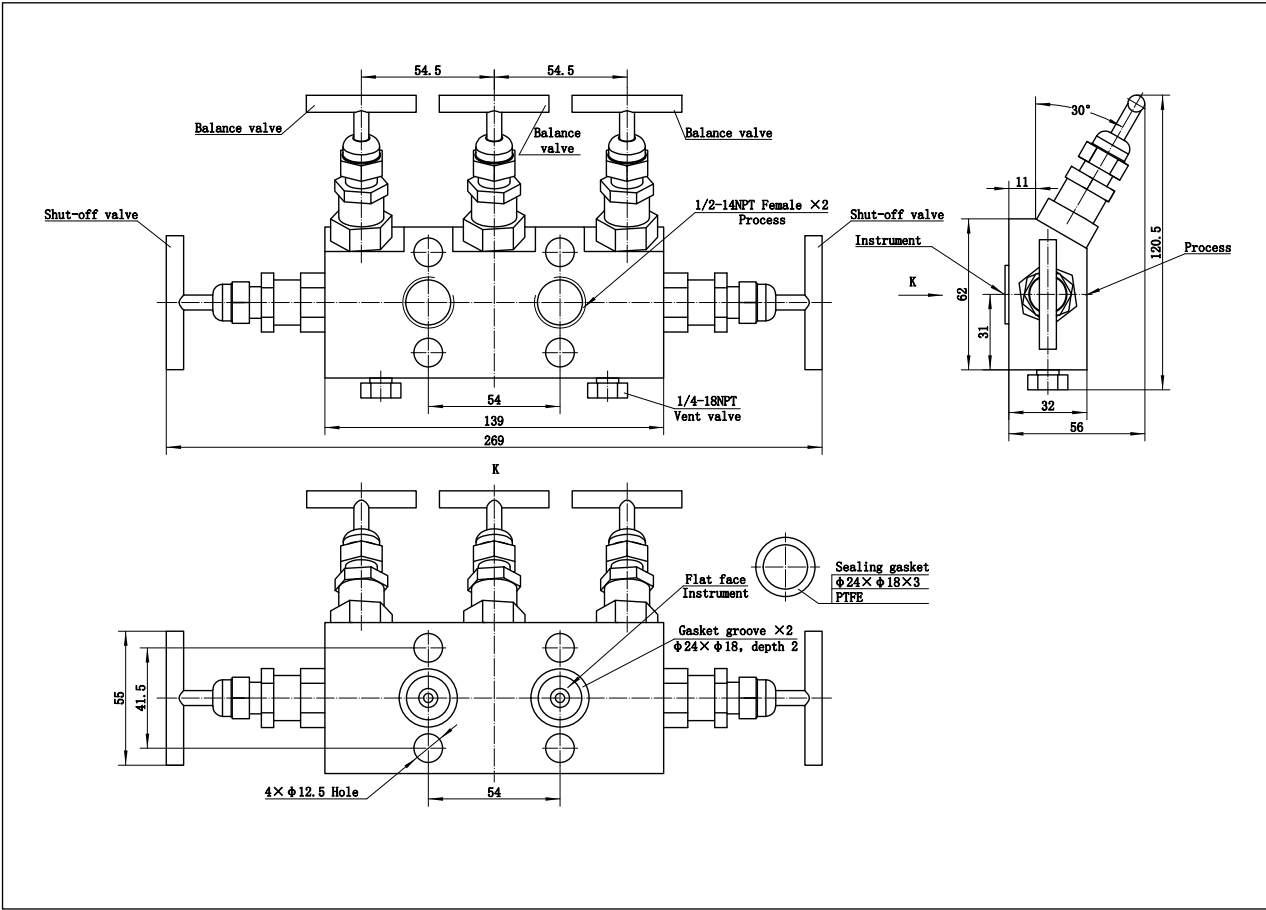
Three-Valve Manifold Dimensions



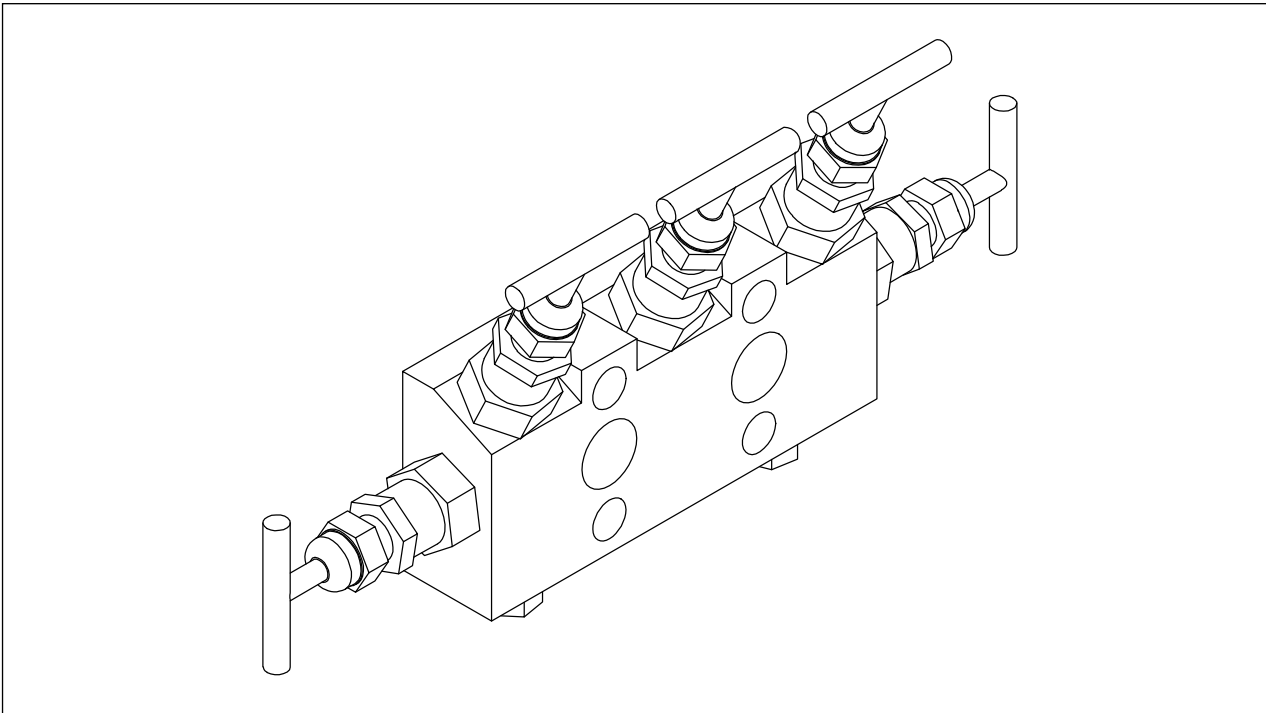
Three-Valve Manifold Diagram



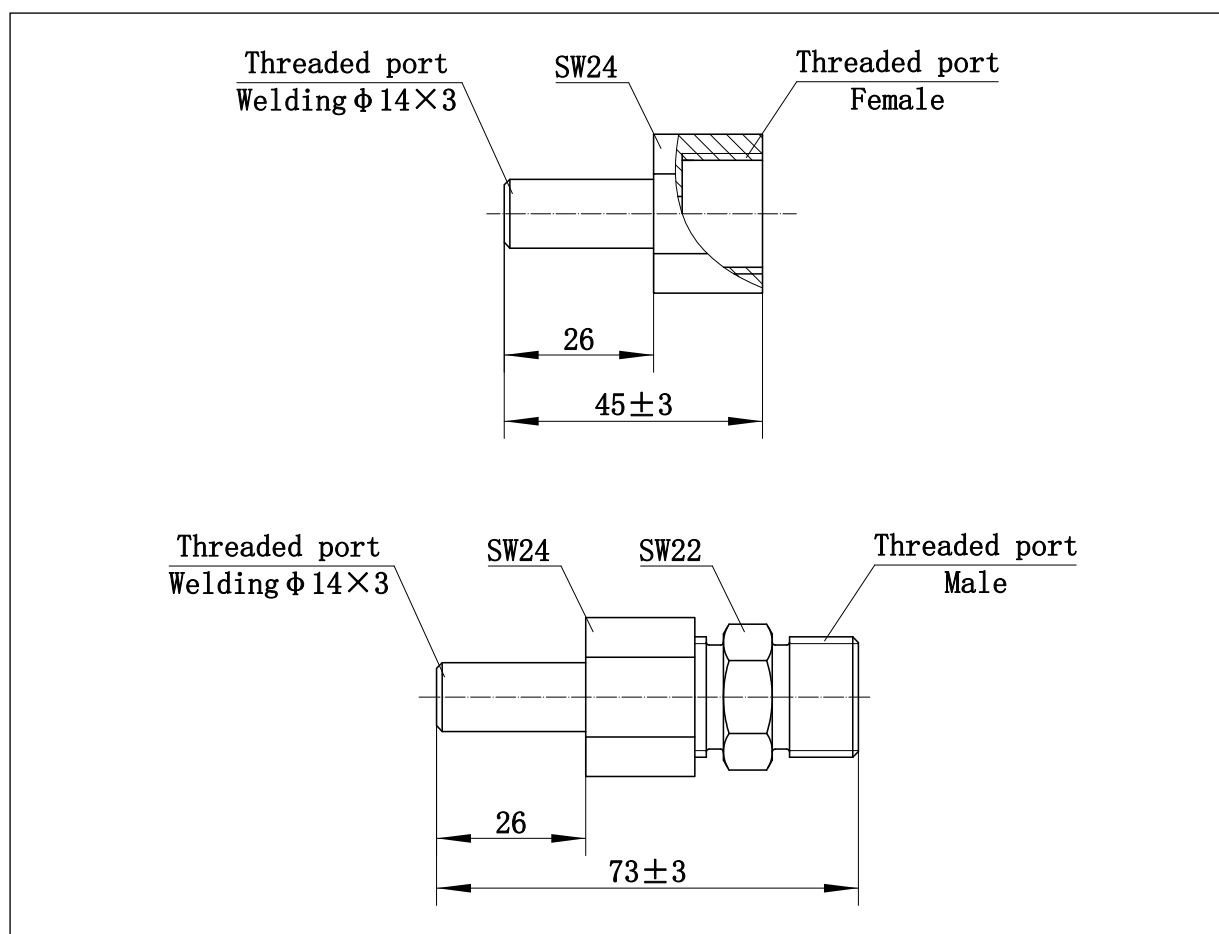
Five-Valve Manifold Dimensions



Five-Valve Manifold Illustration



Options - Welding Adapter Dimensions



MV7000 Series Valve Manifolds

Items	Code	Description
MV7000	-	Series valve manifolds
Type	N	Shut-off valve (Max. pressure: 320bar, medium temperature: -30℃ ~150℃)
	M	Column two-valve manifold (Max. pressure: 320bar, medium temperature: -30℃ ~150℃)
Valve body	6	316 SS
Instrument connection	M	M20×1.5 (F) , GB/T193-2003
	G	G1/2(F) , GB/T 7307-2001
	N	1/2-14NPT(M) ,GB/T 12716-2011
	P	1/2-14NPT(F) ,GB/T 12716-2011
Process connection	1	M20×1.5(M) ,GB/T 193-2003
	2	G1/2(M) ,GB/T 7307-2001
	3	1/2-14NPT(F) ,GB/T 12716-2011
	4	1/2-14NPT(M) ,GB/T 12716-2011
Options	Description (Detailed specifications as following, multiple options or null)	
Welding adapters	/D5	1/2-14NPT (M) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable 1/2- 14NPT Female)
	/D6	1/2-14NPT (F) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable 1/2- 14NPT Male)
	/D7	G1/2 (F) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable G1/2 Female)
	/D8	MM20×1.5 (F) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable M20×1.5 Male)
Gasket materials	/PTFE	PTFE, not selected by default
	/CU	Copper
	/316L	316L SS
Oil-free treatment	/CL1	Degreasing and cleaning treatment of the wetted parts

Items	Code	Description
MV7000	-	Series valve manifolds
Type	2	Two-valve manifold (Max. pressure: 320bar, medium temperature: -30°C ~150°C)
	3	Three-valve manifold (Max. pressure: 420bar, medium temperature: -30°C ~150°C)
	5	Five-valve manifold (Max. pressure: 420bar, medium temperature: -30°C ~150°C)
Valve body	6	316 SS
Process connection with transmitter	S	Square flange
Square flange mounting bolts	1	UNF 7/16-20(M)
Process connection of valve N		1/2-14NPT(F), GB/T 12716-2011
Options	Description (Detailed specifications as following, multiple options or null)	
Welding adapters	/D5	1/2-14NPT(M) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable two-valve manifold)
	/D9	1/2-14NPT(M) and vent tube Φ14mm×3mm×30mm, 316 SS, ×1 (Adaptable three-valve manifold and five-valve manifold)
Gasket materials	/PTFE	PTFE, not selected by default
	/CU	Copper
	/316L	316L SS
Oil-free treatment	/CL	Degreasing and cleaning treatment of the wetted parts

Алматы (7273)495-231
 Ангартск (3955)60-70-56
 Архангельск (8182)63-90-72
 Астрахань (8512)99-46-04
 Барнаул (3852)73-04-60
 Белгород (4722)40-23-64
 Благовещенск (4162)22-76-07
 Брянск (4832)59-03-52
 Владивосток (423)249-28-31
 Владикавказ (8672)28-90-48
 Владимир (4922)49-43-18
 Волгоград (844)278-03-48
 Вологда (8172)26-41-59
 Воронеж (473)204-51-73
 Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
 Ижевск (3412)26-03-58
 Иркутск (395)279-98-46
 Казань (843)206-01-48
 Калининград (4012)72-03-81
 Калуга (4842)92-23-67
 Кемерово (3842)65-04-62
 Киров (8332)68-02-04
 Коломна (4966)23-41-49
 Кострома (4942)77-07-48
 Краснодар (861)203-40-90
 Красноярск (391)204-63-61
 Курск (4712)77-13-04
 Курган (3522)50-90-47
 Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
 Москва (495)268-04-70
 Мурманск (8152)59-64-93
 Набережные Челны (8552)20-53-41
 Нижний Новгород (831)429-08-12
 Новокузнецк (3843)20-46-81
 Ноябрьск (3496)41-32-12
 Новосибирск (383)227-86-73
 Омск (3812)21-46-40
 Орел (4862)44-53-42
 Оренбург (3532)37-68-04
 Пенза (8412)22-31-16
 Петрозаводск (8142)55-98-37
 Псков (8112)59-10-37
 Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
 Рязань (4912)46-61-64
 Самара (846)206-03-16
 Санкт-Петербург (812)309-46-40
 Саратов (845)249-38-78
 Севастополь (8692)22-31-93
 Саранск (8342)22-96-24
 Симферополь (3652)67-13-56
 Смоленск (4812)29-41-54
 Сочи (862)225-72-31
 Ставрополь (8652)20-65-13
 Сургут (3462)77-98-35
 Сыктывкар (8212)25-95-17
 Тамбов (4752)50-40-97
 Тверь (4822)63-31-35

Тольятти (8482)63-91-07
 Томск (3822)98-41-53
 Тула (4872)33-79-87
 Тюмень (3452)66-21-18
 Ульяновск (8422)24-23-59
 Улан-Удэ (3012)59-97-51
 Уфа (347)229-48-12
 Хабаровск (4212)92-98-04
 Чебоксары (8352)28-53-07
 Челябинск (351)202-03-61
 Череповец (8202)49-02-64
 Чита (3022)38-34-83
 Якутск (4112)23-90-97
 Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://microsensor.nt-rt.ru/> || moj@nt-rt.ru