



METALOK INDUSTRIES
(AN ISO 9001: 2015 Certified Company)

NEEDLE VALVES

CATALOGUE



***Most Cost Effective, World Class Quality
Flow Control Components for Wide Range
of Industries and Applications***

Needle Valve

- Double Bonnet Assembly
- Single Bonnet Assembly
- Angle Needle Valve, Female x Female
- Angle Needle Valve Female x male
- Angle Needle Valve, male x Male
- Angle Needle Valve OD Double Ferrule
- Female x female NPT 3000 PSI & 6000 PSI
- Female x male NPT 3000 PSI & 6000 PSI
- male x male NPT 3000 PSI & 6000 PSI
- OD Double Ferrule
- Mini Needle Valve Female x Female
- Mini Needle Valve Female x male
- Mini Needle Valve male x male
- High Pressure Needle Valve, Female x Female, 10000 PSI
- High Pressure Needle Valve, Female x male, 10000 PSI
- HEX Needle, male x Female, 3000 PSI, 6000 PSI & 10000 PSI
- HEX Needle, Female x Female, 3000 PSI, 6000 PSI & 10000 PSI
- HEX Needle Vent Type, Male x Female 6000 PSI & 10000 PSI



COMPANY DETAILS



METALOK INDUSTRIES
(AN ISO 9001: 2015 Certified Company)



ABOUT US

Founded in 2013, **METALOK INDUSTRIES** has rapidly emerged as a trailblazer in international markets, distinguished by its unwavering commitment to total quality and unparalleled flexibility.

Our journey to success is rooted in years of profound experience within the steel industry, coupled with a keen understanding of our customers evolving needs. **METALOK INDUSTRIES** stands out through exclusive testing, certified products, stringent quality standards, and an unwavering dedication to exceptional customer service, positioning us as a true global performer and a trusted partner for our clientele.

What sets us apart is our ability to deliver any size, any grade, and any quality at a competitive price across various forms – pipes, tubes, plates, flanges, fittings, fasteners, valves, bars, and customized forgings. This exemplifies our exceptional flexibility. Our commitment to meeting customer delivery needs and adhering to complex technical specifications underscores our unwavering dedication to total quality.

At the heart of our success is an unrivaled product portfolio, strategically headquartered in Mumbai, enabling us to foster enduring relationships with our clients. Our primary goal is to facilitate smooth deliveries, providing not just reassurance but peace of mind.

As part of our continuous improvement initiative, **METALOK INDUSTRIES** consistently strives to maintain a market-leading position through ongoing research, strategic investments, and a culture of innovation.

Drawing upon extensive engineering experience, our mission is not just to meet our client's needs but to exceed their expectations, delighting them with unparalleled product and service quality.

Our Commitment: We are committed to:

Offering a comprehensive range of high-quality products and services across various fields. Executing all aspects of our work with the highest level of professionalism and excellence. Providing exceptional workmanship.

Our Vision

To be the benchmark of the Indian Stainless Steel Tube Industry, delivering superior value products through innovation and operational excellence.

Our Mission

Aligned with the vision and values of our founders, we aim to fortify India's industrial base by leveraging cutting-edge technology, ensuring high productivity, and adhering to modern management practices. Recognizing honesty and integrity as essential pillars of a robust enterprise, we understand that profitability ignites the engine of economic activity.



Needle Valve



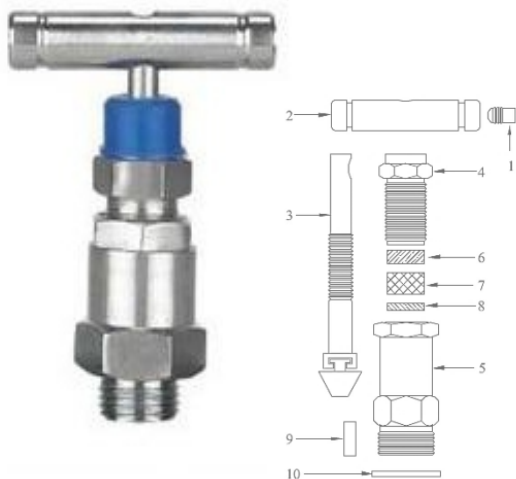
Dimensions are for reference onl

Warning for Your Safety

The system designer and user have the sole responsibility to select products suitable for their special application requirements to ensure the proper installation. Operation and maintenance of the product. Application details, material compatibility and product ratings should all be considered in the individual selection. Improper selection or use of products can cause property damage or personal injury. METALOK accepts no liability for any improper selection, installation, operation or maintenance.

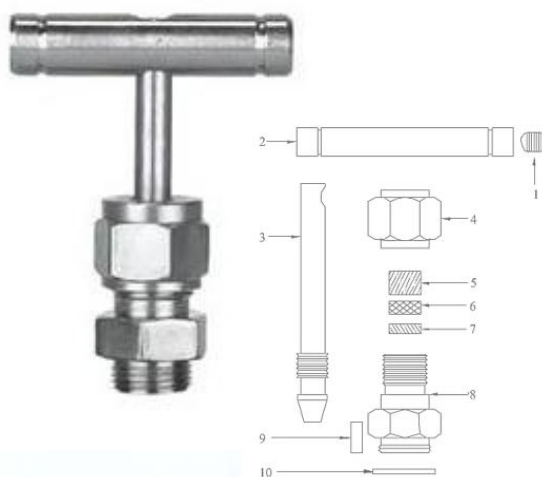


Needle Valve



DOUBLE BONNET ASSEMBLY

No .	DESCRIPTION	QTY	MATERIAL
1	SET SCREW	1	MS
2	HANDLE	1	SS
3	SPINDLE	1	SS316
4	GLAND NUT	1	MS / SS316
5	BUSH	1	MS / SS316
6	PACKING	1	PTFE / Graphoi
7	BUSH	1	MS / SS316
8	BONNET	1	MS / SS316
9	STOP PIN	1	MS / SS316
10	WASHER	1	COPPER



SINGLE BONNET ASSEMBLY

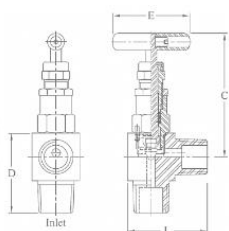
No .	DESCRIPTION	QTY	MATERIAL
1	SET SCREW	1	MS
2	HANDLE	1	SS
3	SPINDLE	1	SS316
4	GLAND NUT	1	MS / SS316
5	BUSH	1	MS / SS316
6	PACKING	1	PTFE / Graphoi
7	BUSH	1	MS / SS316
8	BONNET	1	MS / SS316
9	STOP PIN	1	MS / SS316
10	WASHER	1	COPPER

Needle Valve



ANGLE NEEDLE VALVE,FEMALE X FEMALE

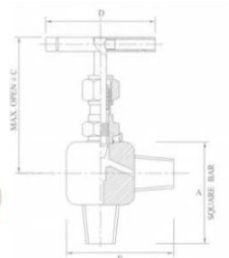
PART No.	SIZE	A	B	±C	D
MINV/ANG/01	1/8"	26	26	70	45
MINV/ANG/02	1/4"	32	32	75	50
MINV/ANG/03	3/8"	36	36	80	55
MINV/ANG/04	1/2"	42	42	90	55
MINV/ANG/05	3/4"	50	50	100	65
MINV/ANG/06	1 "	56	56	105	65
MINV/ANG/07	1 1/4"	62	62	125	80
MINV/ANG/08	1 1/2"	72	72	135	88
MINV/ANG/09	2"	82	82	155	95



ANGLE NEEDLE VALVE,FEMALE X MALE

Part No.	Connection		L	D	C (max.open)	E	OriMlice	Cv
	Inlet-M	Outlet-F						
MIA A 2N 2	1/8"	1/8"	26	26	70	45	3	0.24
MIAA 4N 2	1/4"	1/4"	32	32	75	45	4	0.35
MIAA 6N 2	3/8"	3/8"	36	36	80	45	4	0.35
MIAA 8N 2	1/2"	1/2"	42	42	90	55	4.9	0.65
MIAA 12N 2	3/4"	3/4"	50	50	100	65	6.5	0.86

ANGLE NEEDLE VALVE, MALE X MALE



Part No.	Connection		L	D	C (max.open)	E	OriMlic e	Cv
	Inlet-M	Outlet-F						
MIA A 2N 2	1/8"	1/8"	26	26	70	45	3	0.24
MIAA 4N 2	1/4"	1/4"	32	32	75	45	4	0.35
MIAA 6N 2	3/8"	3/8"	36	36	80	45	4	0.35
MIAA 8N 2	1/2"	1/2"	42	42	90	55	4.9	0.65
MIAA 12N 2	3/4"	3/4"	50	50	100	65	6.5	0.86

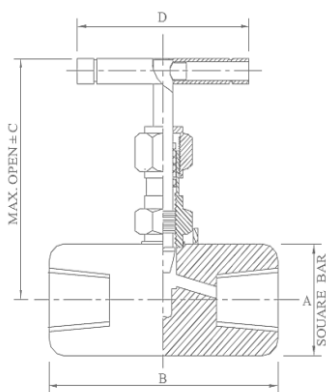


ANGLE NEEDLE VALVE,OD DOUBLE FERRULE

Part No.	Connection		L	D	C (max. open)	E	OriMlice	Cv
	Inlet-OD TUBE	Outlet-OD tube						
MIA A 2N 2	1/8"	1/8"	26	26	70	45	3	0.24
MIAA 4N 2	1/4"	1/4"	32	32	75	45	4	0.35
MIAA 6N 2	3/8"	3/8"	36	36	80	45	4	0.35
MIAA 8N 2	1/2"	1/2"	42	42	90	55	4.9	0.65
MIAA 12N 2	3/4"	3/4"	50	50	100	65	6.5	0.86

Needle Valve

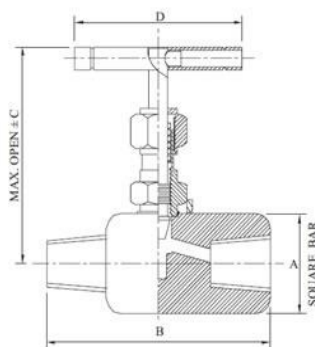
NEEDLE VALVE ,FEMALE X FEMALE,NPT 3000 psi and 6000 psi



PART No.	SIZE	A	B	±C	D
MINV/MF/01	1/8"	19	50	65	45
MINV/MF/02	1/4"	22	50	70	50
MINV/MF/03	3/8"	25	55	75	55
MINV/MF/04	1/2"	30	65	85	55
MINV/MF/05	3/4"	36	75	95	65
MINV/MF/06	1"	40	85	100	65
MINV/MF/07	1-1/4"	54	90	120	80
MINV/MF/08	1-1/2"	62	110	130	88
MINV/MF/09	2"	72	120	150	95

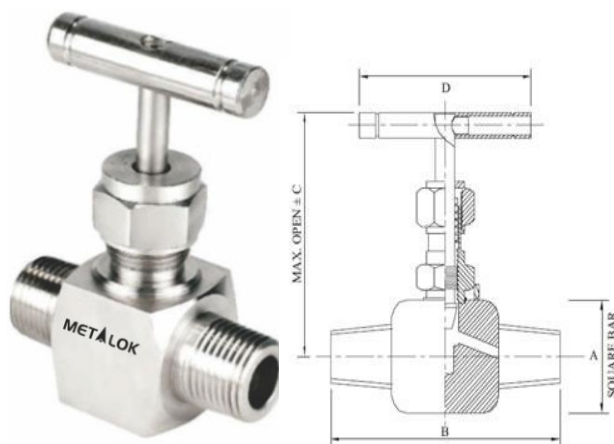
For BSP, SOCKET WELD CONNECTION end connection add
BSP or SW after the part number ,
Example MINV/FF/09/BSP
MINV/FF/09/SW

NEEDLE VALVE ,FEMALE X MALE,NPT 3000 PSI AND 6000 PSI



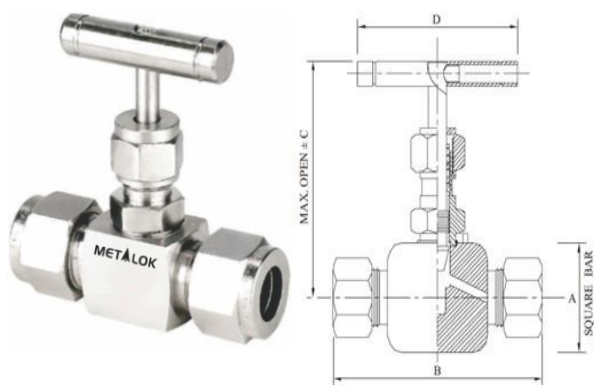
PART No.	SIZE	A	B	±C	D
MINV/MF/01	1/8"	19	50	65	45
MINV/MF/02	1/4"	22	50	70	50
MINV/MF/03	3/8"	25	55	75	55
MINV/MF/04	1/2"	30	65	85	55
MINV/MF/05	3/4"	36	75	95	65
MINV/MF/06	1"	40	85	100	65
MINV/MF/07	1-1/4"	54	90	120	80
MINV/MF/08	1-1/2"	62	110	130	88
MINV/MF/09	2"	72	120	150	95

Needle Valve



NEEDLE VALVE , MALE X MALE,NPT 3000 psi and 6000 psi

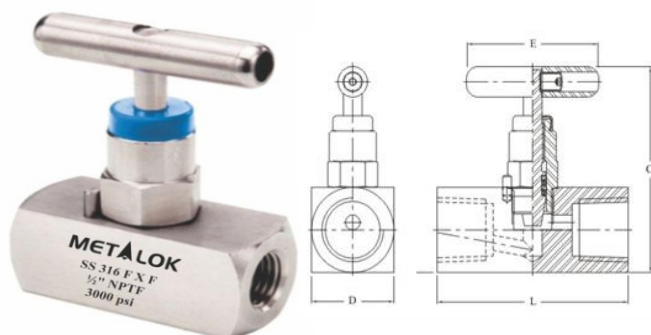
PART NO.	SIZE	A	B	±C	D
MINV/MF/01	1/8"	19	50	65	45
MINV/MF/02	1/4"	22	50	70	50
MINV/MF/03	3/8"	25	55	75	55
MINV/MF/04	1/2"	30	65	85	55
MINV/MF/05	3/4"	36	75	95	65
MINV/MF/06	1"	40	85	100	65
MINV/MF/07	1-1/4"	54	90	120	80
MINV/MF/08	1-1/2"	62	110	130	88
MINV/MF/09	2"	72	120	150	95



NEEDLE VALVE ,OD ,DOUBLE FERRULE

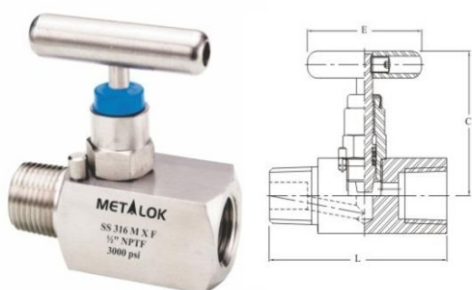
PART No.	SIZE	A	B	±C	D
MINV/OD/01	1/8"	20	50	65	45
MINV/OD/02	1/4"	22	50	70	50
MINV/OD/03	3/8"	22	55	75	55
MINV/OD/04	1/2"	22	65	85	55
MINV/OD/05	3/4"	28	75	95	65
MINV/OD/06	1"	36	85	100	65
MINV/OD/07	1-1/4"	45	90	120	80
MINV/OD/08	1-1/2"	52	110	130	88
MINV/OD/09	2"	62	120	150	95

Needle Valve



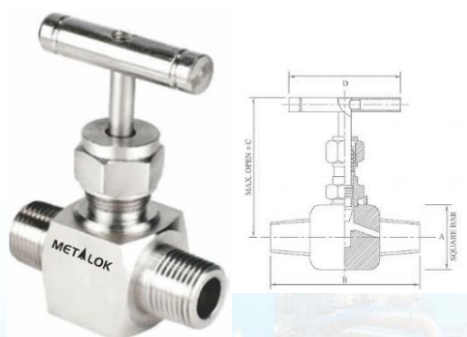
MINI NEEDLE VALVE Female X Female

PART No.	SIZE	A1	A2	B	±C	D
MINV/FF/HP/01	1/8"	38	25	55	70	45
MINV/FF/HP/02	1/4"	38	25	55	75	50
MINV/FF/HP/03	3/8"	42	28	60	80	55
MINV/FF/HP/04	1/2"	48	32	65	85	60



MINI NEEDLE VALVE Female X Male

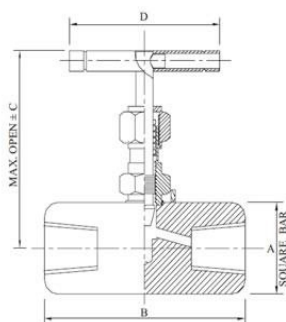
PART NO.	CONNECTION		L	D	C (MAX OPEN)	E	ORIFICE	Cv
	INLET M	OUTLET T F						
MINM 4N 2	1/4"	1/4"	55	22	64	45	4	0.35
MINM 6N 2	3/8"	3/8"	60	25	67	45	4	0.35
MINM 8N 2	1/2"	1/2"	65	28	72	55	4.9	0.65



MINI NEEDLE VALVE Male X Male

PART NO.	CONNECTION		L	D	C (MAX OPEN)	E	ORIFICE	Cv
	INLET M	OUTLET T F						
MINM 4N 3	1/4"	1/4"	60	22	64	45	4	0.35
MINM 6N 3	3/8"	3/8"	65	25	67	45	4	0.35
MINM 8N 3	1/2"	1/2"	70	28	72	55	4.9	0.65

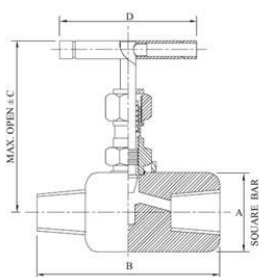
Needle Valve



HIGH PRESSURE NEEDLE VALVE, FEMALE X FEMALE,10000 psi

PART No.	SIZE	A1	A2	B	±C	D
MINV/FF/HP/01	1/8"	38	25	55	70	45
MINV/FF/HP/02	1/4"	38	25	55	75	50
MINV/FF/HP/03	3/8"	42	28	60	80	55
MINV/FF/HP/04	1/2"	48	32	65	85	60

For BSP, SOCKET WELD CONNECTION end
connection add BSP or SW after the part number,
Example FNV/FF/09/BSP
FNV/FF/09/SW

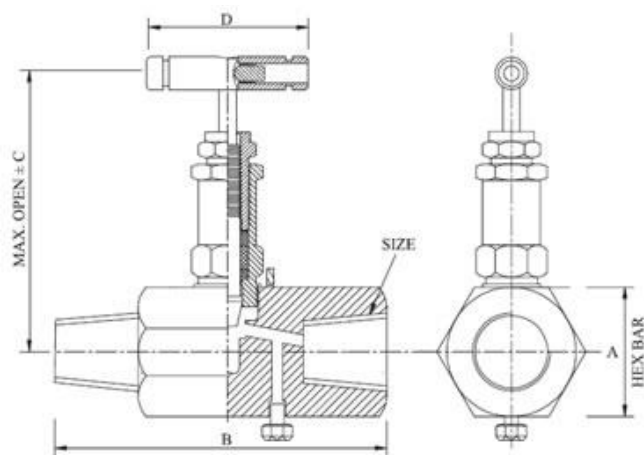


HIGH PRESSURE NEEDLE VALVE, FEMALE X MALE,10000 psi

PART No.	SIZE	A1	A2	B	±C	D
MINV/MF/HP/01	1/8"	38	25	55	70	45
MINV/MF/HP/02	1/4"	38	25	55	75	50
MINV/MF/HP/03	3/8"	42	28	60	80	55
MINV/MF/HP/04	1/2"	48	32	65	85	60

Needle Valve

HEX NEEDLE ,Male X Female 3000 psi,6000 psi and 10000psi

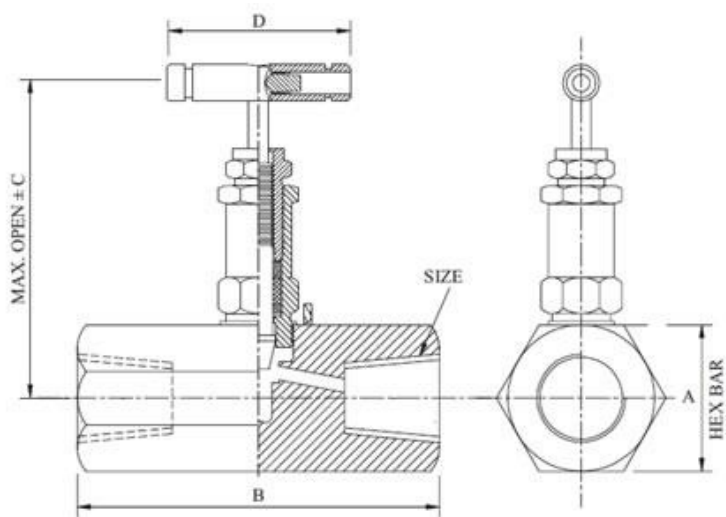


Orifice : 4 mm
Pressure : up to 6000 psi.
Temperature: up to 400°c
All dimension in Millimeter

PART No.	SIZE	A	B	±C	D
MINV/H/MF/01	1/4"	25	60	92	50
MINV/H/MF/02	3/8"	25	65	92	55
MINV/H/MF/03	1/2"	32	80	98	55
MINV/H/MF/04	3/4"	36	80	114	65

Needle Valve

HEX NEEDLE ,Female X Female 3000 psi,6000 psi and 10000psi

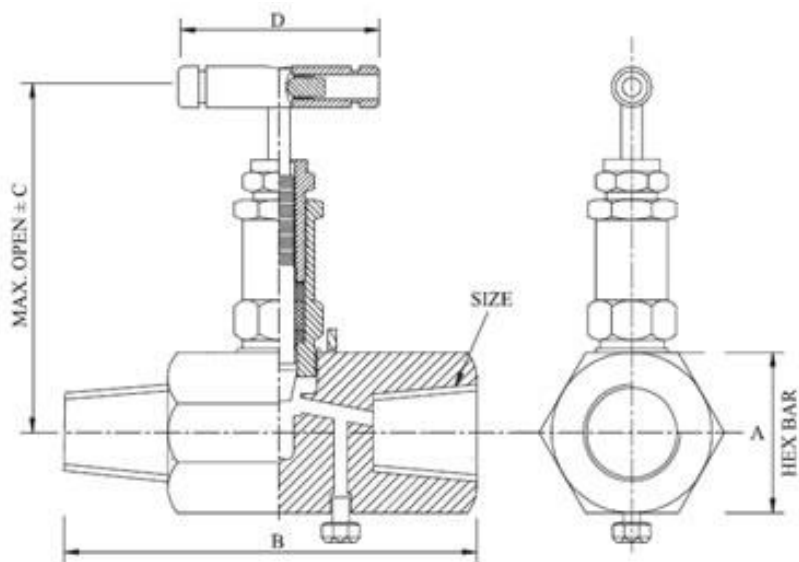


Orifice : 4 mm
Pressure : up to 6,000 psi.
Temperature: up to 400°C
All dimension in Millimeter

PART No.	SIZE	A	B	±C	D
MINV/H/FF/01	1/4"	25	55	92	50
MINV/H/FF/02	3/8"	25	60	92	55
MINV/H/FF/03	1/2"	32	75	98	55
MINV/H/FF/04	3/4"	36	75	114	65

Needle Valve

HEX NEEDLE VENT TYPE ,Male X Female 6000 psi and 10000psi

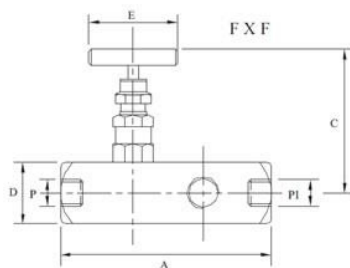


Orifice : 4 mm
Pressure : up to 6000 psi.
Temperature: up to 400°C
All dimension in Millimeter

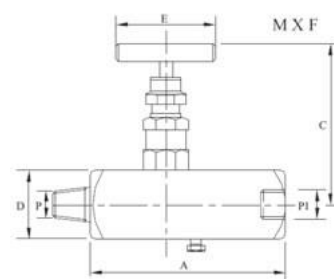
PART No.	SIZE	A	B	±C	D
MINV/H/MF/01	1/4"	25	60	92	50
MINV/H/MF/02	3/8"	25	65	92	55
MINV/H/MF/03	1/2"	32	80	98	55
MINV/H/MF/04	3/4"	36	80	114	65

Needle Valve

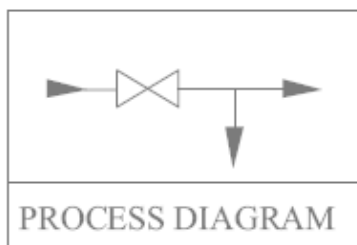
GAUGE VALVE ,BLOCK & BLEED TYPE 6000 psi and 10000psi



Female X Female



Male X Female



Orifice : 4 mm

Approximate Weight : 0.75 kg.

Pressure : up to 6000 psi.

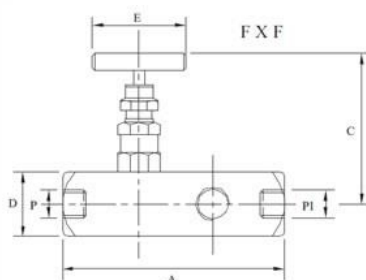
Temperature: up to 400°C

All dimension in Millimeter

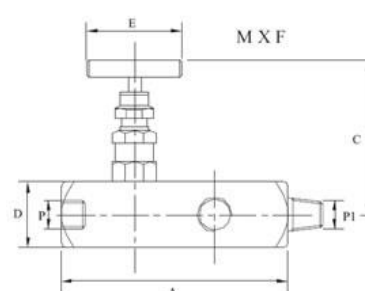
PART No.	END CONNECTIONS		DIMENSION			
	P	P1	A	±C	D	E
MIGV/BB/01	1 / 4 " MALE	1/4FEMALE	70	62	25	45
MIGV/BB/02	3/8" MALE	3/8 FEMALE	70	62	25	45
MIGV/BB/03	1/2" MALE	½ FEMALE	83	84	30	55
MIGV/BB/04	3/4" MALE	¾ FEMALE	85	84	38	60
MIGV/BB/05	1/4" FEMALE	¼ FEMALE	70	62	25	45
MIGV/BB/06	3/8" FEMALE	3/8 FEMALE	70	62	25	45
MIGV/BB/07	1/2" FEMALE	½ FEMALE	75	84	30	55

Needle Valve

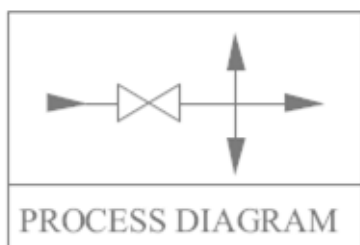
GAUGE VALVE ,MULTIPORT TYPE 6000 psi and 10000psi



Regular Length



Extended Length



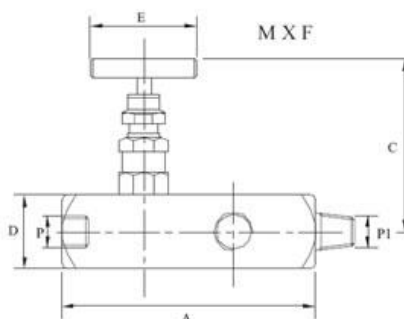
Orifice : 4 mm
Approximate Weight : 0.90 kg.
Pressure : up to 6000 psi.
Temperature: up to 400°C
All dimension in Millimeter

PART No.	END CONNECTIONS		DIMENSION			
	P	P1	A	±C	D	E
MIGV/MP/05	1/4" FEMALE	1/4" FEMALE	90	62	22	40
MIGV/MP/06	1/2" FEMALE	1/2" FEMALE	115	84	30	55
MIGV/MP/07	1/2" FEMALE	1/2" EXTEND ED	215	84	30	55
MIGV/MP/08	3/4" FEMALE	3/4" EXTEND ED	215	84	38	55
MIGV/MP/01	1/2" MALE	1/2" FEMALE	115	84	30	55
MIGV/MP/02	1/2" MALE	3/4" FEMALE	115	84	30	55
MIGV/MP/03	3/4" MALE	3/4" FEMALE	115	84	38	55
MIGV/MP/04	3/4" MALE	1/2" FEMALE	115	84	30	55

Needle Valve



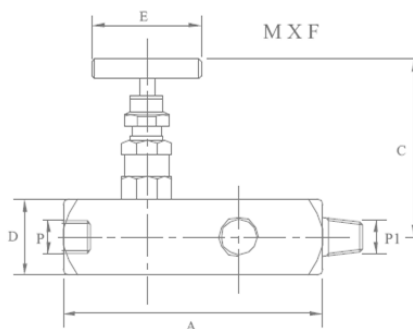
GAUGE ROOT VALVE-STANDARD LENGTH
6000 psi and 10000psi



PART No.	END CONNECTIONS		DIMENSION			
	P	P1	A	±C	D	E
MIGVN/MP/05	1/4" FEMALE	1/4" FEMALE	90	62	22	40
MIGVN/MP/06	1/2" FEMALE	1/2" FEMALE	115	84	30	55
MIGVN/MP/07	1/2" FEMALE	1/2" EXTEND ED	215	84	30	55
MIGVN/MP/08	3/4" FEMALE	3/4" EXTEND ED	215	84	38	55
MIGVN/MP/01	1/2" MALE	1/2" FEMALE	115	84	30	55
MIGVN/MP/02	1/2" MALE	3/4" FEMALE	115	84	30	55
MIGVN/MP/03	3/4" MALE	3/4" FEMALE	115	84	38	55
MIGVN/MP/04	3/4" MALE	1/2" FEMALE	115	84	30	55



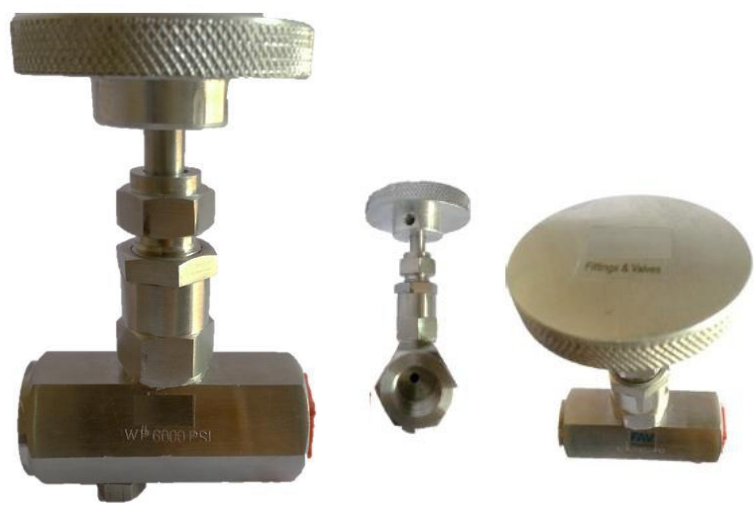
GAUGE ROOT VALVE-EXTRA LONG LENGTH
6000 psi and 10000psi



PART No.	END CONNECTIONS		DIMENSION			
	P	P1	A	±C	D	E
MIGVR/BB/01	1 / 4 " MALE	1/4: FEMALE	70	62	25	45
MIGVR/BB/02	3/8" MALE	3/8" FEMALE	70	62	25	45
MIGVR/BB/03	1/2" MALE	1/2" FEMALE	83	84	30	55
MIGVR/BB/04	3/4" MALE	3/4" FEMALE	85	84	38	60
MIGVR/BB/05	1/4" FEMALE	1/4" FEMALE	70	62	25	45
MIGVR/BB/06	3/8" FEMALE	3/8" FEMALE	70	62	25	45
MIGVR/BB/07	1/2" FEMALE	1/2" FEMALE	75	84	30	55

Needle Valve

FLOW CONTROL VALVE Female X Female .Up to 6000 psi



PART No.	SIZE NPT/ BSP
MIFCV/H/FF/01	1/4 "
MIFCV/H/FF/02	3/8 "
MIFCV/H/FF/03	1/2 "
MIFCV/H/FF/04	3/4"

FLOW CONTROL VALVE Mlale X Female .Upto 6000 psi

Option of T shaped Handle also Available



PART No.	SIZE NPT/ BSP
MIFCV/H/MF/01	1/4 "
MIFCV/H/MF/02	3/8 "
MIFCV/H/MF/03	1/2 "
MIFCV/H/MF/04	3/4"

Needle Valve

FORGED BODY NEEDLE VALVE



FORGED BODY Y TYPE NEEDLE VALVE

PART No.	SIZE NPT/ BSP
MIBY/H/FF/01	1/4 "
MIBY/H/FF/02	3/8 "
MIBY/H/FF/03	1/2 "
MIBY/H/FF/04	3/4"

FORGED BODY STRAIGHT TYPE NEEDLE VALVE WITH HANDWHEEL



PART No.	SIZE NPT/ BSP
MIBS/H/FF/01	1/4 "
MIBS/H/FF/02	3/8 "
MIBS/H/FF/03	1/2 "
MIBS/H/FF/04	3/4"

Option of T shaped Handle also Available



FLANGED BODY STRAIGHT TYPE NEEDLE VALVE WITH HANDWHEEL



Made as per users Specification



Needle Valve



NEEDLE TYPE GLOBE VALVE

PART No.	SIZE NPT/ BSP
MIGBV/H/FF/01	1/4 "
MIGBV/H/FF/02	3/8 "
MIGBV/H/FF/03	1/2 "
MIGBV/H/FF/04	3/4"
MIGBV/H/FF/05	1"
MIGBV/H/FF/06	1 1/4 "
MIGBV/H/FF/07	1 1/2 "
MIGBV/H/FF/08	2"



NEEDLE TYPE GATE VALVE

PART No.	SIZE NPT/ BSP
MIGTV/H/FF/01	1/4 "
MIGTV/H/FF/02	3/8 "
MIGTV/H/FF/03	1/2 "
MIGTV/H/FF/04	3/4"
MIGTV/H/FF/05	1"
MIGTV/H/FF/06	1 1/4 "
MIGTV/H/FF/07	1 1/2 "
MIGTV/H/FF/08	2"



NEEDLE TYPE GATE VALVE, DOUBLE FERRULE COMPRESSION

PART No.	SIZE NPT/ BSP
MICGV/H/FF/01	1/4 "
MICGV/H/FF/02	3/8 "
MICGV/H/FF/03	1/2 "
MICGV/H/FF/04	3/4"
MICGV/H/FF/05	1"
MICGV/H/FF/06	1 1/4 "
MICGV/H/FF/07	1 1/2 "
MICGV/H/FF/08	2"



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