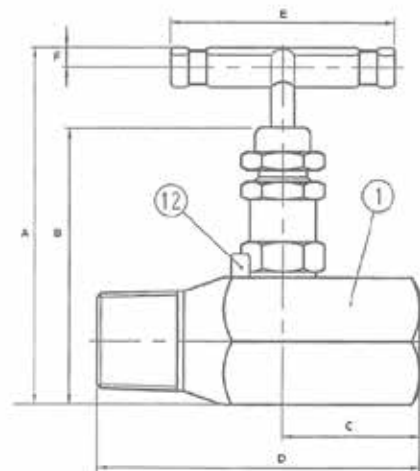
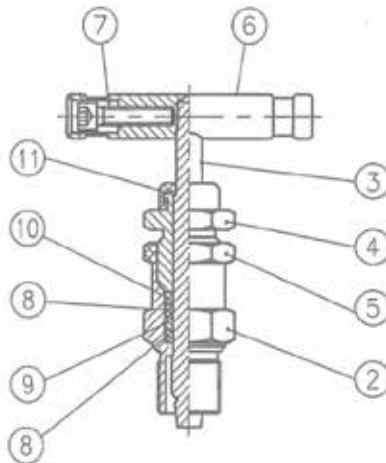




CARBON STEEL NEEDLE VALVE SERIES: CPV-10000



SPECIFICATIONS

RATED TO 10,000 PSI (T TYPE)

CARBON STEEL CONSTRUCTION

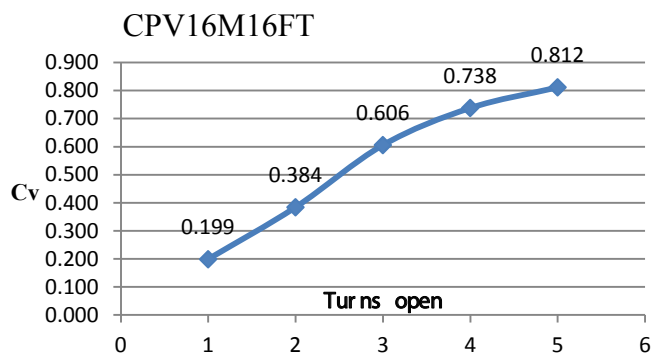
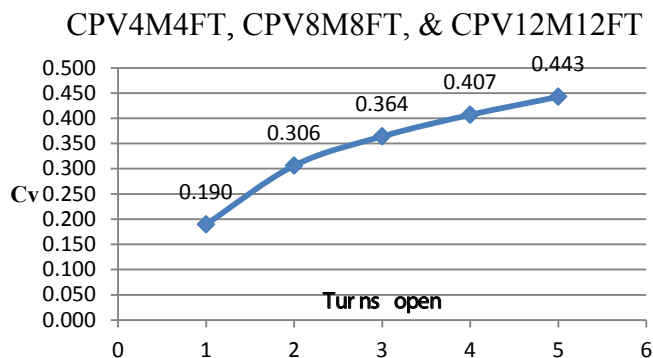
TEFLON PACKING

WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

AVAILABLE IN MxM, MxF, AND FxF

NACE MR0175



	ITEM	MATERIAL
1	VALVE BODY	CARBON STEEL
2	BONNET	CARBON STEEL
3	STEM	SS304
4	PACKING NUT	CARBON STEEL
5	FIXING SCREW	CARBON STEEL
6	HANDLE	CARBON STEEL
7	HANDLE FIXING SCREW	CARBON STEEL
8	PACKING	TEFLON
9	BACK UP RING	SS304
10	BACK UP RING	SS304
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS303

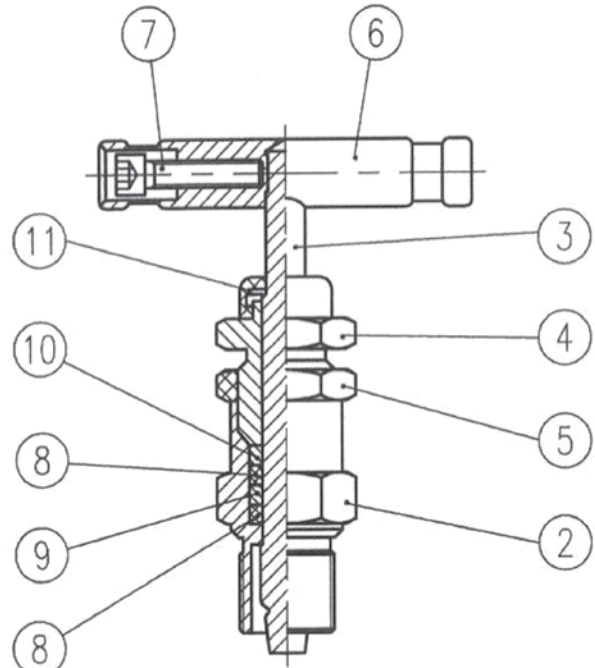
DIMENSIONS- 10,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	CPV4M4FT	CARBON STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1/2"	CPV8M8FT	CARBON STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
3/4"	CPV12M12FT	CARBON STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.28	2.24	0.25
1"	CPV16M16FT	CARBON STEEL MXF 10,000 PSI	4.25	2.95	1.57	3.70	2.24	0.25

* Due to the continuous development of our products, design or construction may change without prior notice

CARBON STEEL F X F NEEDLE VALVE

SERIES: CPV-10000



SPECIFICATIONS

RATED TO 10,000 PSI (T TYPE)

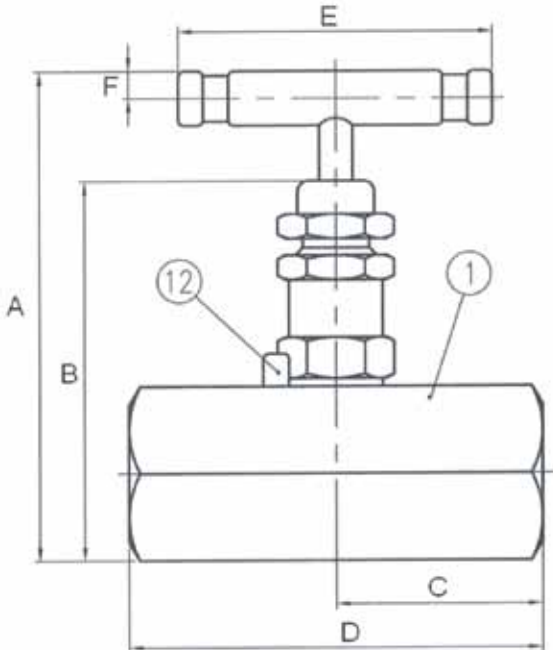
CARBON STEEL CONSTRUCTION

TEFLON PACKING

WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

NACE MR0175



ITEM		T TYPE
1	BODY	CARBON STEEL
2	BONNET	CARBON STEEL
3	STEM	SS 304
4	PACKING NUT	CARBON STEEL
5	FIXING SCREW	CARBON STEEL
6	HANDLE	CARBON STEEL
7	HANDLE FIXING SCREW	CARBON STEEL
8	PACKING	TEFLON
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS 303

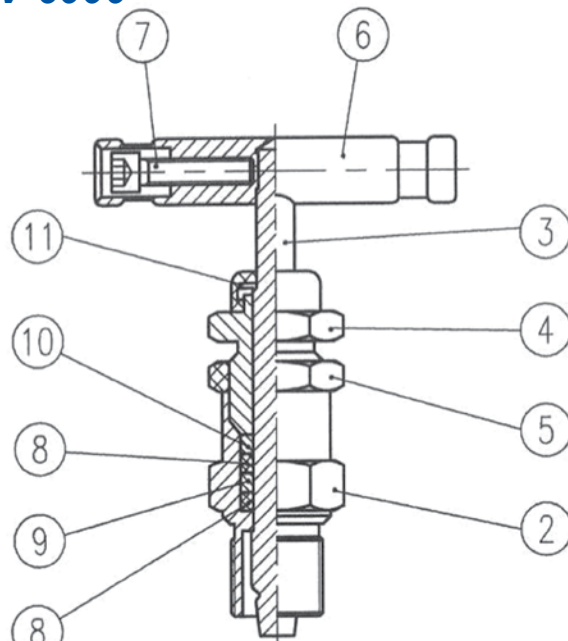
DIMENSIONS - 10,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E
1/4"	CPV4F4FV	CARBON STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
1/2"	CPV8F8FV	CARBON STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
3/4"	CPV12F12FV	CARBON STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
1"	CPV16F16FV	CARBON STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19

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CARBON STEEL F X F NEEDLE VALVE

SERIES: CPV-6000



SPECIFICATIONS

RATED TO 6,000 PSI (T TYPE)

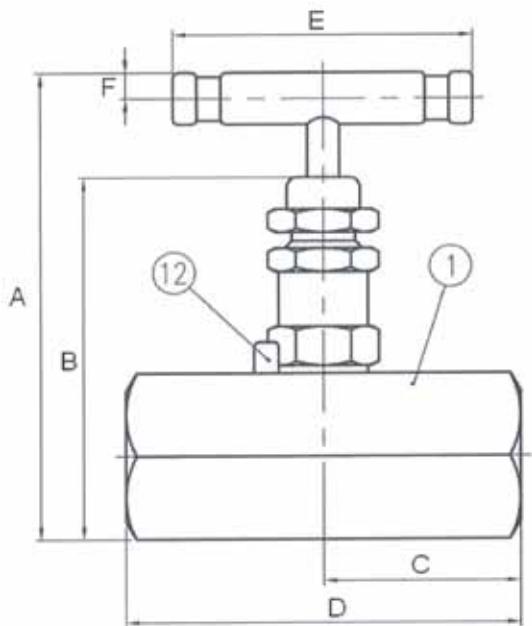
CARBON STEEL CONSTRUCTION

TEFLON PACKING

WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

NACE MR0175



	ITEM	T TYPE
1	BODY	CARBON STEEL
2	BONNET	CARBON STEEL
3	STEM	SS 304
4	PACKING NUT	CARBON STEEL
5	FIXING SCREW	CARBON STEEL
6	HANDLE	CARBON STEEL
7	HANDLE FIXING SCREW	CARBON STEEL
8	PACKING	VITON O-RING
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS 303

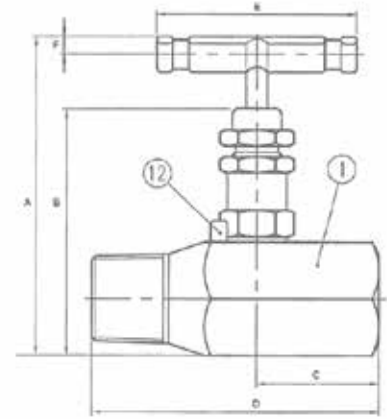
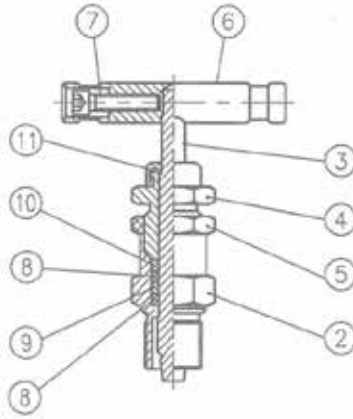
DIMENSIONS - 6,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	CPV4F4FV	CARBON STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
1/2"	CPV8F8FV	CARBON STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
3/4"	CPV12F12FV	CARBON STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
1"	CPV16F16FV	CARBON STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19

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CARBON STEEL NEEDLE VALVE

SERIES: CPV-6000



SPECIFICATIONS

RATED TO 6,000 PSI (V TYPE)

CARBON STEEL CONSTRUCTION

TEFLON/VITON PACKING AND SEALS

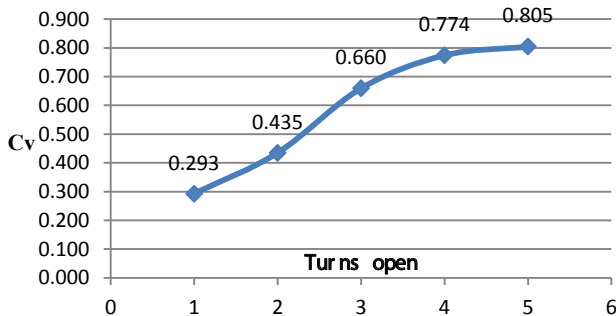
WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

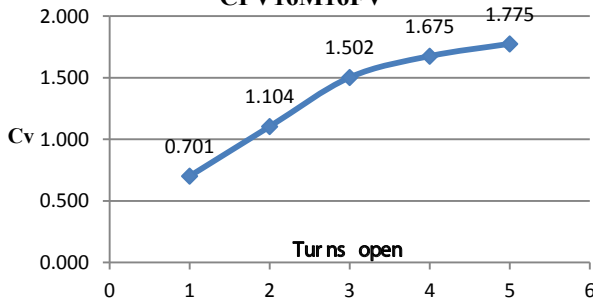
AVAILABLE IN MxM, MxF, AND FxF

NACE MR0175

CPV4M4FV, CPV8M8FV & CPV12M12FV



CPV16M16FV



	ITEM	MATERIAL
1	VALVE BODY	CARBON STEEL
2	BONNET	CARBON STEEL
3	STEM	SS304
4	PACKING NUT	CARBON STEEL
5	FIXING SCREW	CARBON STEEL
6	HANDLE	CARBON STEEL
7	HANDLE FIXING SCREW	CARBON STEEL
8	PACKING	VITON
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS303

DIMENSIONS- 6,000 PSI

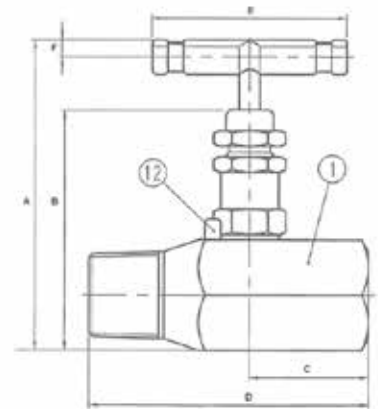
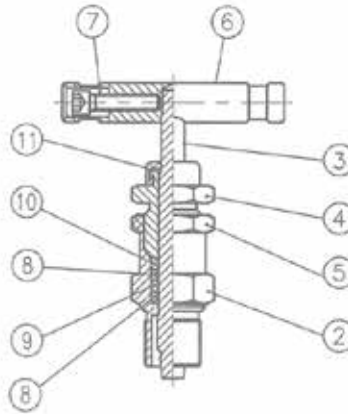
NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	CPV4M4FV	CARBON STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1/2"	CPV8M8FV	CARBON STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
3/4"	CPV12M12FV	CARBON STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1"	CPV16M16FV	CARBON STEEL MXF 6,000 PSI	4.25	2.95	1.57	3.70	2.24	0.25

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STAINLESS STEEL NEEDLE VALVE

SERIES: SPV-10000



SPECIFICATIONS

RATED TO 10,000 PSI (T TYPE)

STAINLESS STEEL CONSTRUCTION

TEFLON PACKING

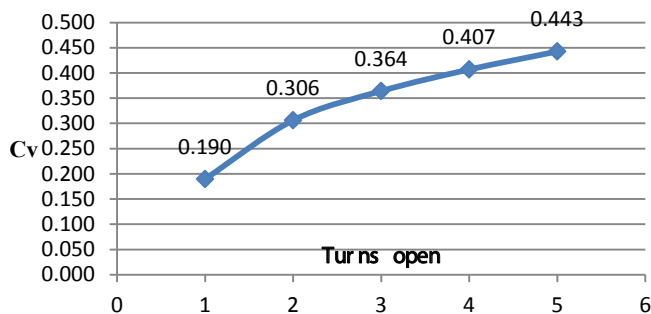
WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

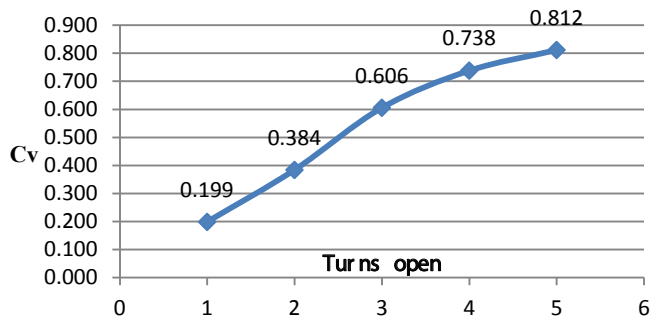
AVAILABLE IN MxM, MxF, AND FxF

NACE MR0175

SPV4M4FT, SPV8M8FT, & SPV12M12FT



SPV16M16FT



ITEM	MATERIAL
1	VALVE BODY
2	BONNET
3	STEM
4	PACKING NUT
5	FIXING SCREW
6	HANDLE
7	HANDLE FIXING SCREW
8	PACKING
9	BACK UP RING
10	BACK UP RING
11	DUST CAP
12	BONNET LOCK PIN

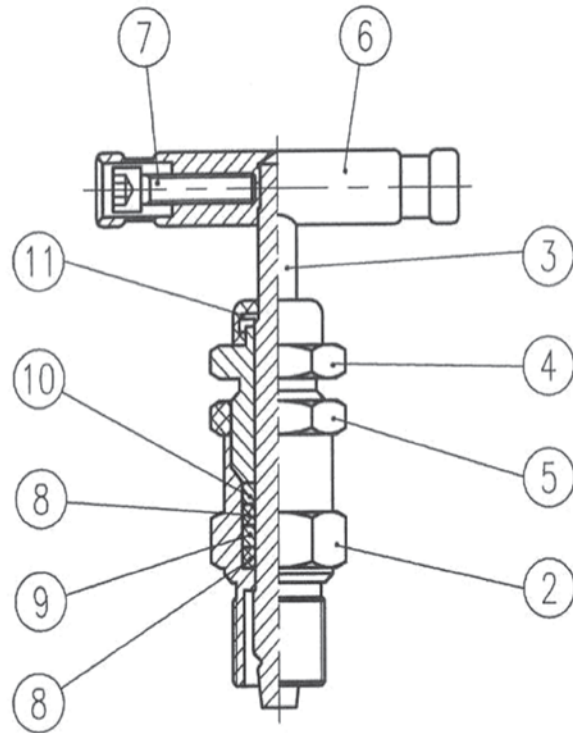
DIMENSIONS

NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	SPV4M4FT	STAINLESS STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1/2"	SPV8M8FT	STAINLESS STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1/2"x1/4"	SPV8M4FV	STAINLESS STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
3/4"	SPV12M12FT	STAINLESS STEEL MXF 10,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1"	SPV16M16FT	STAINLESS STEEL MXF 10,000 PSI	4.25	2.95	1.57	3.70	2.24	0.25

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STAINLESS STEEL F X F NEEDLE VALVE

SERIES: SPV-6000



SPECIFICATIONS

RATED TO 6,000 PSI (V TYPE)

STAINLESS STEEL CONSTRUCTION

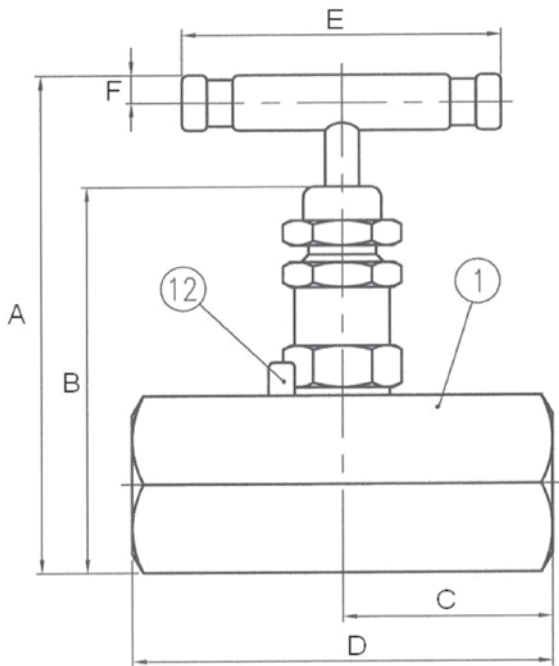
TEFLON PACKING

WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

NACE MR0175

	ITEM	V TYPE
1	BODY	SS 316
2	BONNET	SS 316
3	STEM	SS 316
4	PACKING NUT	SS 316
5	FIXING SCREW	SS 316
6	HANDLE	SS 303
7	HANDLE FIXING SCREW	SS 302
8	PACKING	VITON O-RING
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS 303



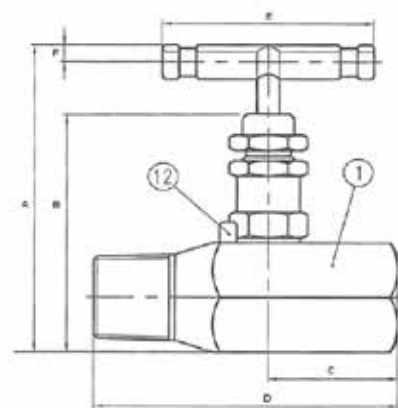
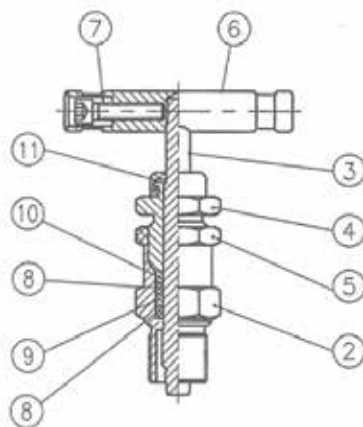
DIMENSIONS - 6,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	SPV4F4FV	STAINLESS STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
3/8"	SPV6F6FV	STAINLESS STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
1/2"	SPV8F8FV	STAINLESS STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
3/4"	SPV12F12FV	STAINLESS STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19
1"	SPV16F16FV	STAINLESS STEEL F X F 6000 PSI	3.54	2.74	1.47	2.95	2.24	0.19

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STAINLESS STEEL NEEDLE VALVE SERIES: SPV-6000



SPECIFICATIONS

RATED TO 6,000 PSI (V TYPE)

STAINLESS STEEL CONSTRUCTION

TEFLON/VITON PACKING AND SEALS

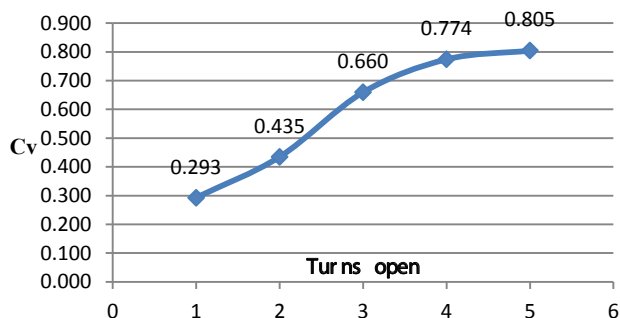
WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

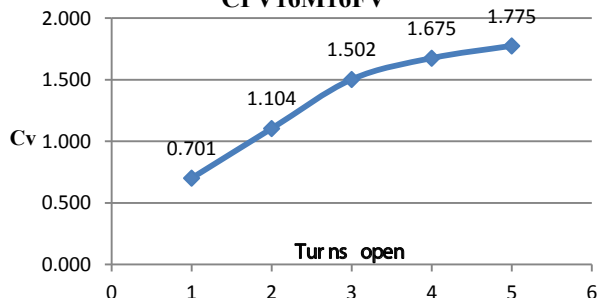
AVAILABLE IN MxM, MxF, AND FxF

NACE MR0175

CPV4M4FV, CPV8M8FV & CPV12M12FV



CPV16M16FV



	ITEM	MATERIAL
1	VALVE BODY	SS316
2	BONNET	SS316
3	STEM	SS316
4	PACKING NUT	SS316
5	FIXING SCREW	SS316
6	HANDLE	SS303
7	HANDLE FIXING SCREW	SS302
8	PACKING	VITON O-RING
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS303

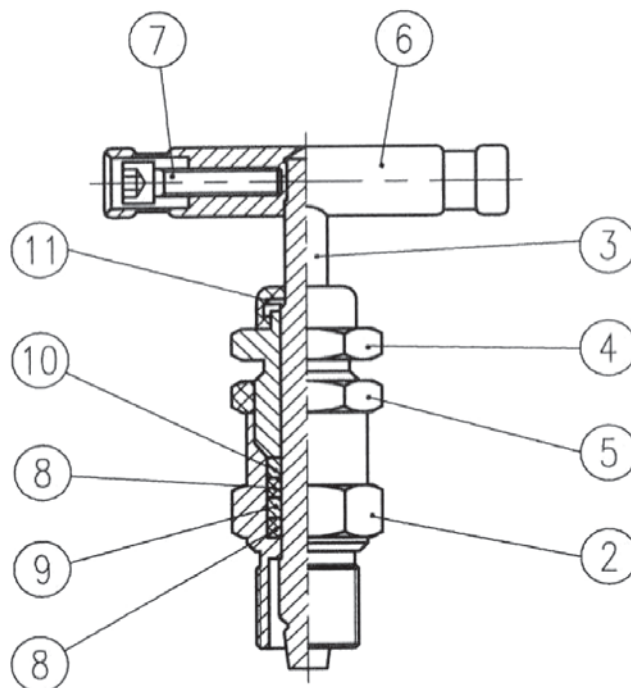
DIMENSIONS - 6,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E	F
1/4"	SPV4M4FV	STAINLESS STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
3/8"	SPV38M38FV	STAINLESS STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1/2"	SPV8M8FV	STAINLESS STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
3/4"	SPV12M12FV	STAINLESS STEEL MXF 6,000 PSI	3.54	2.74	1.37	3.22	2.24	0.25
1"	SPV16M16FV	STAINLESS STEEL MXF 6,000 PSI	4.25	2.95	1.57	3.70	2.24	0.25

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STAINLESS STEEL F X F NEEDLE VALVE

SERIES: SPV-10000



SPECIFICATIONS

RATED TO 10,000 PSI (T TYPE)

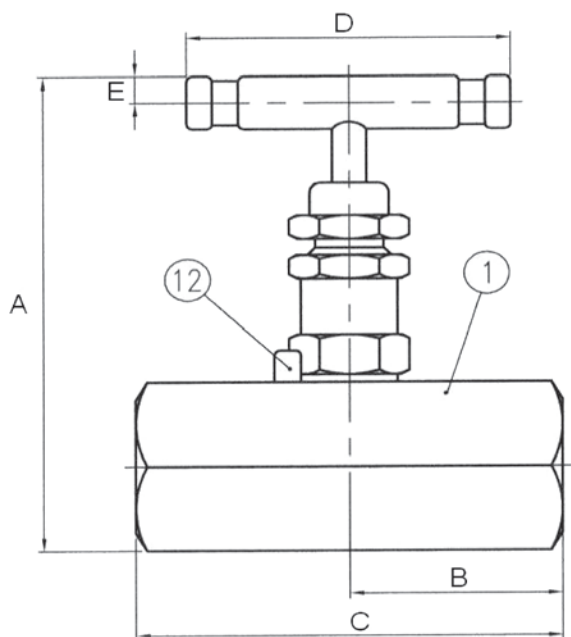
STAINLESS STEEL CONSTRUCTION

TEFLON PACKING

WORKING TEMPERATURE -20 DEG F TO 200 DEG F

THREADS CONFORM TO ASME B1.20.1

NACE MR0175



	ITEM	T TYPE
1	BODY	SS 316
2	BONNET	SS 316
3	STEM	SS 316
4	PACKING NUT	SS 316
5	FIXING SCREW	SS 316
6	HANDLE	SS 303
7	HANDLE FIXING SCREW	SS 302
8	PACKING	TEFLON O-RING
9	BACK UP RING	TEFLON
10	BACK UP RING	TEFLON
11	DUST CAP	NBR
12	BONNET LOCK PIN	SS 303

DIMENSIONS - 10,000 PSI

NPS	PART #	DESCRIPTION	A	B	C	D	E
1/4"	SPV4F4FT	STAINLESS STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
1/2"	SPV8F8FT	STAINLESS STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
3/4"	SPV12F12FT	STAINLESS STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19
1"	SPV16F16FT	STAINLESS STEEL F X F 10000 PSI	3.85	1.49	2.95	2.24	0.19

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3/8" (OD) x 3/8" (OD) NEEDLE VALVE SERIES: SPV6F6FV-TE



SPV6F6FV SERIES NEEDLE VALVE ARE SPECIALLY DESIGNED FOR USE IN CORROSIVE & HAZARDOUS ENVIRONMENT. THESE VALVES ARE USED IN PROCESS CONTROL, INSTRUMENTATION AND FLOW CONTROL APPLICATIONS.

FEATURES :

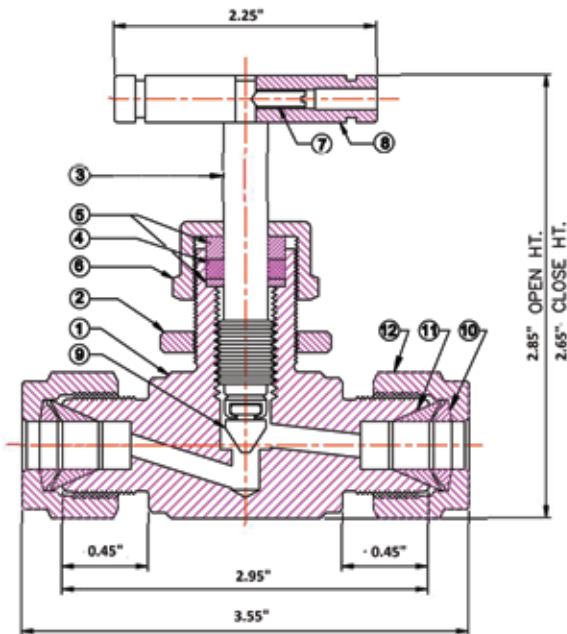
316 S.S. BODY CONSTRUCTION FOR SUPERIOR CORROSION RESISTANCE. NON ROTATING VEE TIP PREVENTS GALLING & PROMOTES REPETITIVE SHUT-OFF. SLOW OPENING PREVENTS SUDDEN PRESSURE SURGE AND INSTRUMENT DAMAGE

TESTING:

PNEUMATIC TEST:- EACH VALVE IS TESTED WITH NITROGEN AT 100 PSI IN ACCORDANCE WITH MSS-SP-61 FOR SEAT & PACKING LEAKAGE. HYDRO TEST:- PERFORMED WITH PURE WATER IN ACCORDANCE WITH MSS-SP-61. BODY TESTED AT 1.5 TIMES & SEAT LEAKAGE TESTED AT 1.1 TIMES OF THE WORKING PRESSURE

DESIGN STANDARD :

PRESSURE & TEMPERATURE RATING ARE SELECTED FROM ANSI B16.34 STANDARD CLASS VALVES BASED ON ANSI B16-CLASS 2500 OPTIONAL SOUR GAS SERVICE CONFIRMS TO NACE MR-01-75



12	NUT	2	A479-316
11	FRONT FERRULE	2	A479-316
10	BACK FERRULE	2	A479-316
9	NON ROTATING VEE TIP	1	A 564-630
8	HANDLE	1	SS
7	GRUB SCREW	1	STEEL PLATED
6	GLAND NUT	1	A479-316
5	WASHER	2	A479-316
4	PACKING	1	PTFE
3	STEM	1	A479-316/A276-316
2	PANNEL NUT	1	A479-316
1	BODY	1	A182-F316
S.NO.	DESCRIPTION	QTY.	MATERIAL
MATERIAL OF CONSTRUCTIONS:			

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SPV COMPRESSION 6000# BLE

PART # SPV38CEVB - 3/8" COMPRESSION NEEDLE VALVE



SPECIFICATIONS

RATED TO 6,000 PSI (T TYPE)

TESTED AT 8,700 PSI

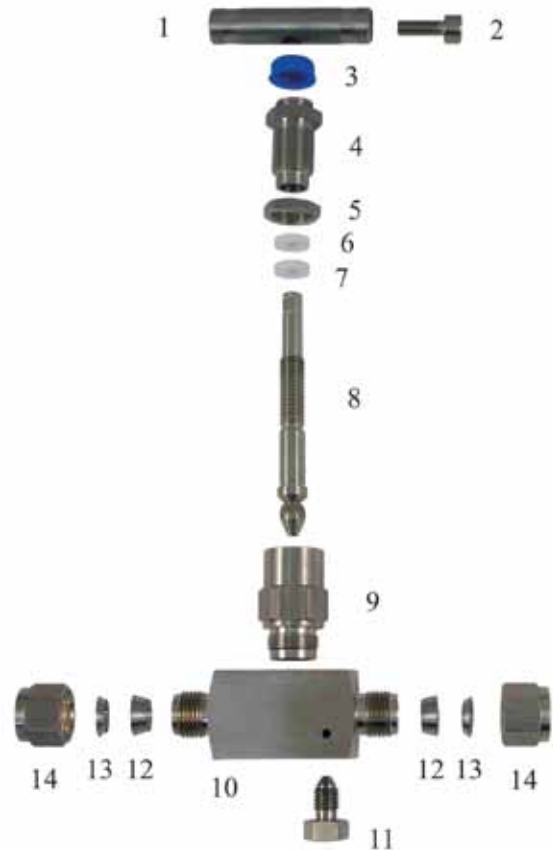
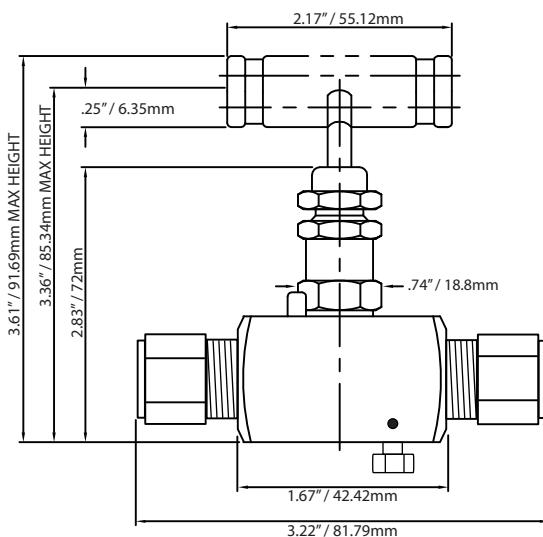
316 SS CONSTRUCTION

REINFORCED TEFLON

WORKING TEMP. -20 DEG F TO 200 DEG F

NACE APPROVED

NACE MR0175



PART

MATERIAL

1	HANDLE	304 SS
2	SET SCREW	304 SS
3	DUST CAP	RUBBER
4	PACKING BOLT	316 SS
5	PACKING NUT	316 SS
6	PACKING	MODIFIED PTFE
7	PACKING	MODIFIED PTFE
8	STEM	316 SS
9	BONNET	316 SS
10	BODY	316 SS
11	BLEEDING NEEDLE	316 SS
12	FRONT FERRULE	316 SS
13	BACK FERRULE	316 SS
14	NUT	316 SS, SILVER COATED THREAD