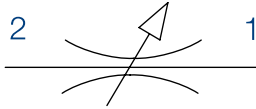


Bidirectional flow control valves



**NNV-NPTF**



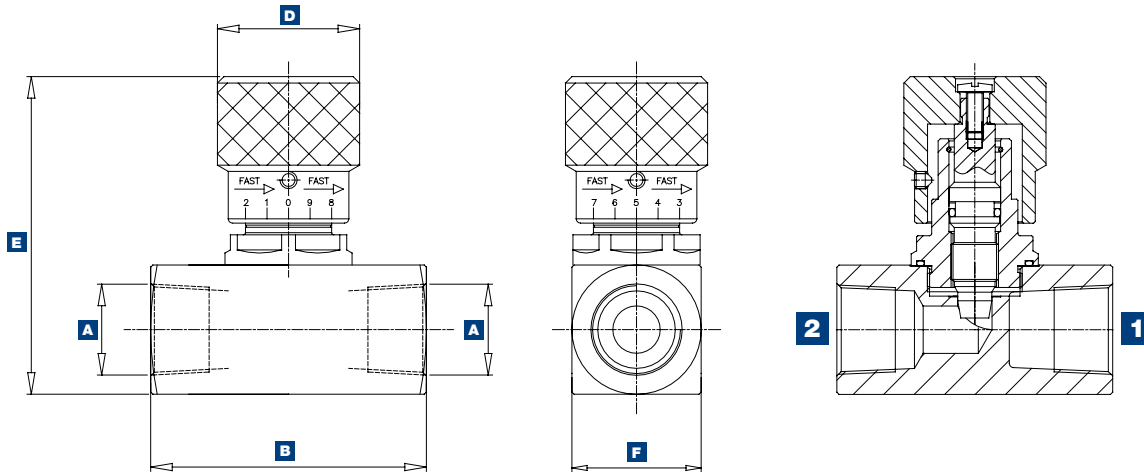
**SPECIFICATIONS**

Fluid viscosity	45 to 2000 ssu (6 to 420 cSt)
Filtration	SAE class 4 or better
Fluid temperature	-4°F to 176°F
Ambient temperature	-4°F to 122°F

**MATERIALS**

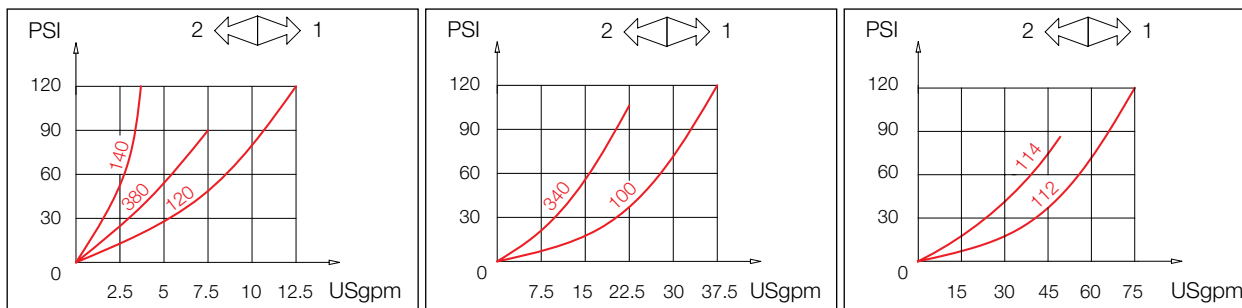
Valve body-setting fitting	High resistance steel CF39SMnPb36 (EN10087)
Setting knob	Aluminium P-AlCu5.5PbBi (UNI 90002/5)
Setting spool	High resistance steel CF35SMnPb10 (EN10087)
O-ring	NBR 70 Sh
External treatment	Zinc plating FeZn8c1A (UNI 2081)

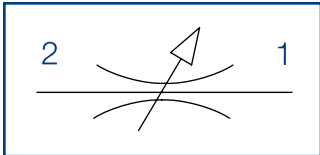
**DIMENSIONS & TECHNICAL PERFORMANCE**



Code	A	Max flow	Max pressure	B	D	E	F	Approx. wt.
NNV-1/4"-NPT	NPTF 1/4	4 gpm	5800 PSI	2.13"	1.18"	2.68"	0.98"	0.71 lb
NNV-3/8"-NPT	NPTF 3/8	8 gpm	5800 PSI	2.13"	1.18"	2.68"	0.98"	0.66 lb
NNV-1/2"-NPT	NPTF 1/2	13 gpm	5800 PSI	2.52"	1.30"	2.84"	1.18"	1.03 lb
NNV-3/4"-NPT	NPTF 3/4	21 gpm	5800 PSI	3.19"	1.65"	3.70"	1.57"	2.31 lb
NNV-1"-NPT	NPTF 1	40 gpm	5800 PSI	4.02"	1.65"	3.90"	1.77"	2.95 lb
NNV-1-1/4"-NPT	NPTF 1-1/4	50 gpm	4000 PSI	4.02"	2.08"	4.78"	2.16"	5.21 lb
NNV-1-1/2"-NPT	NPTF 1-1/2	80 gpm	4000 PSI	4.02"	2.08"	5.17"	2.55"	6.60 lb

**PRESSURE DROPS**





### SPECIFICATIONS

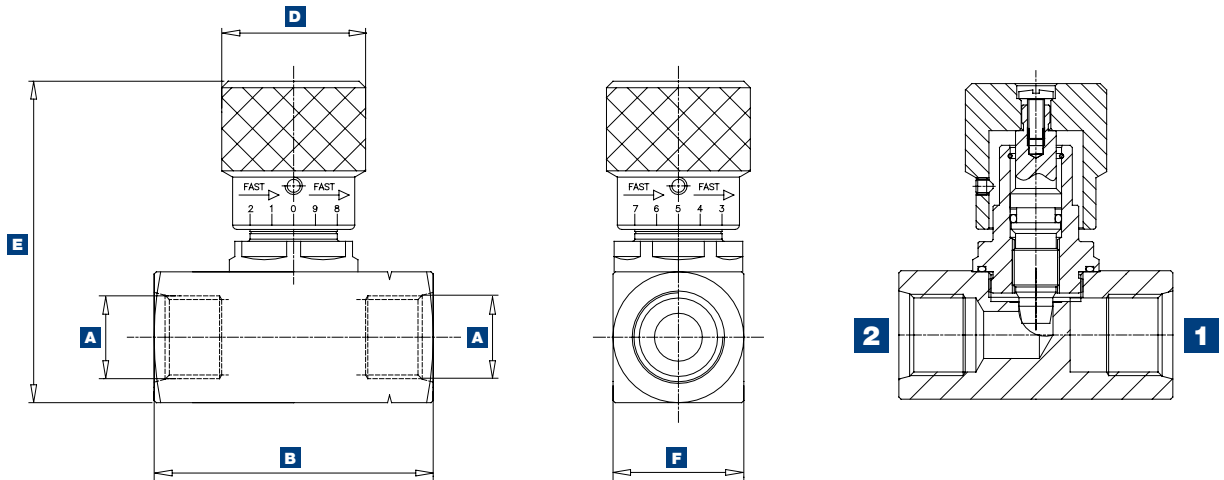
Fluid viscosity	45 to 2000 ssu (6 to 420 cSt)
Filtration	SAE class 4 or better
Fluid temperature	-4°F to 176°F
Ambient temperature	-4°F to 122°F

### MATERIALS

Valve body-setting fitting	High resistance steel CF39SMnPb36 (EN10087)
Setting knob	Aluminium P-AlCu5.5PbBi (UNI 90002/5)
Setting spool	High resistance steel CF35SMnPb10 (EN10087)
O-ring	NBR 70 Sh
External treatment	Zinc plating FeZn8c1A (UNI 2081)

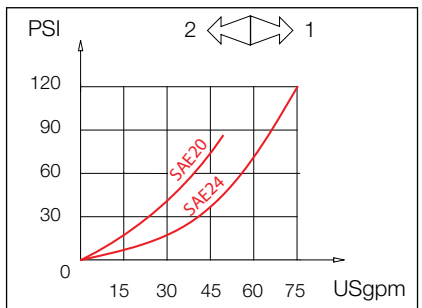
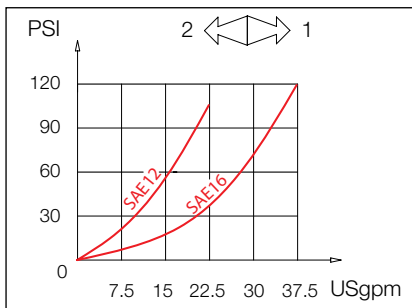
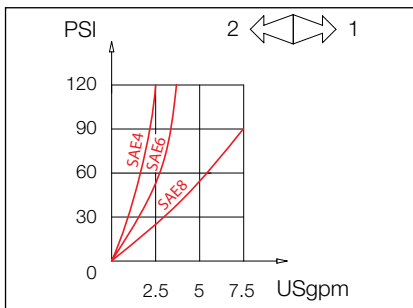


### DIMENSIONS & TECHNICAL PERFORMANCE



Code	A	Max flow	Max pressure	B	D	E	F	Approx. wt.
NNV-SAE4	7/16 - 20UNF	4 gpm	5800 PSI	2.13"	1.18"	2.68"	0.98"	0.71 lb
NNV-SAE6	9/16 - 18UNF	8 gpm	5800 PSI	2.13"	1.18"	2.68"	0.98"	0.66 lb
NNV-SAE8	3/4 - 16UNF	13 gpm	5800 PSI	2.52"	1.30"	2.84"	1.18"	1.03 lb
NNV-SAE12	1-1/16 - 12UNF	21 gpm	5800 PSI	3.19"	1.65"	3.70"	1.57"	2.31 lb
NNV-SAE16	1-5/16 - 12UNF	40 gpm	5800 PSI	4.02"	1.65"	3.90"	1.77"	2.95 lb
NNV-SAE20	1-5/8 - 12UN	50 gpm	4000 PSI	4.02"	2.08"	4.78"	2.16"	5.21 lb
NNV-SAE24	1-7/8 - 12UN	80 gpm	4000 PSI	4.02"	2.08"	5.17"	2.55"	6.60 lb

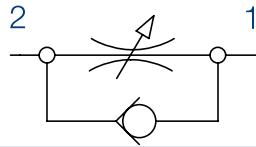
### PRESSURE DROPS



# Unidirectional flow control valves



**NFC-NPTF**



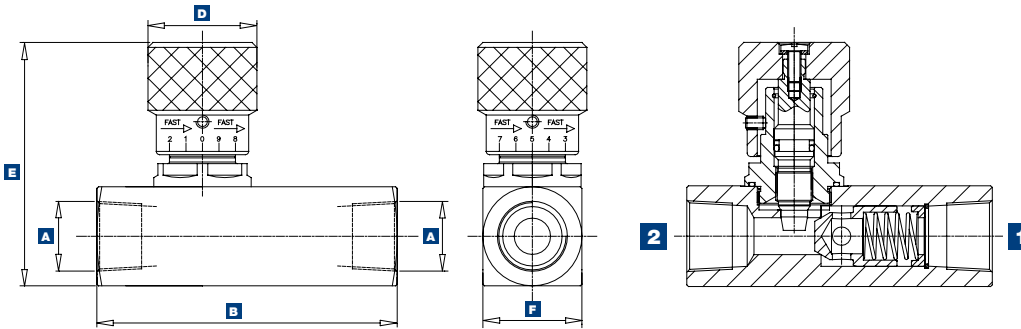
## SPECIFICATIONS

Fluid viscosity	45 to 2000 ssu (6 to 420 cSt)
Filtration	SAE class 4 or better
Fluid temperature	-4°F to 176°F
Ambient temperature	-4°F to 122°F

## MATERIALS

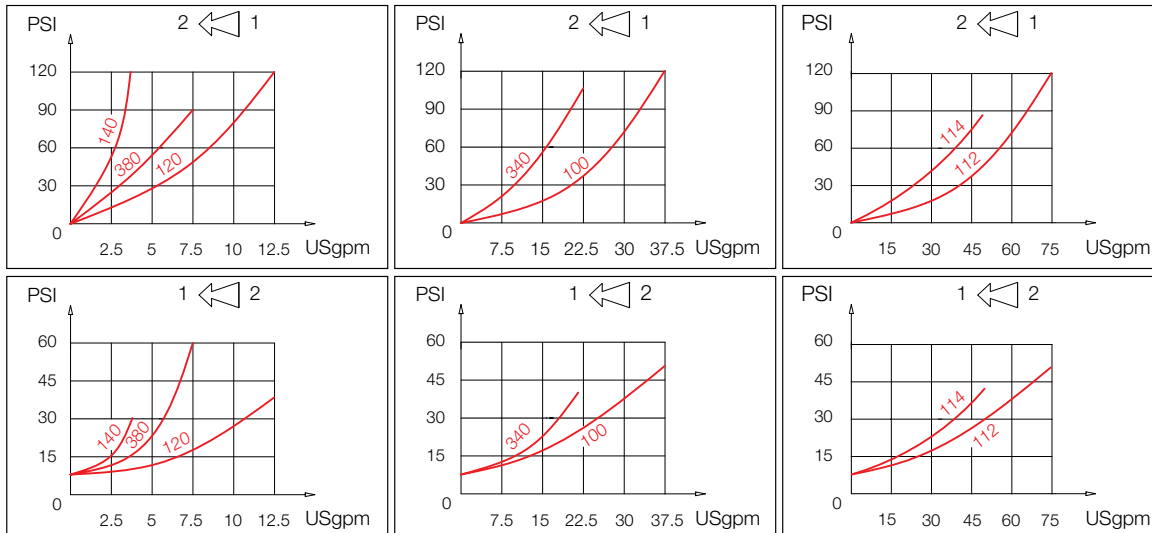
Valve body-setting fitting-thread/ring	High resistance steel CF39SMnPb36 (EN10087)
Setting knob	Aluminium P-AlCu5.5PbBi (UNI 90002/5)
Setting spool	High resistance steel CF35SMnPb10 (EN10087)
Poppet	High resistance steel 16CrNi4Pb ( EN10084) - Hardened (UNI5381) and ground
Spring	High resistance steel Oteva 70 (EN10270/2)
O-ring	NBR 70 Sh
Elastic ring	UNI 7437
External treatment	Zinc plating FeZn8c1A (UNI 2081)

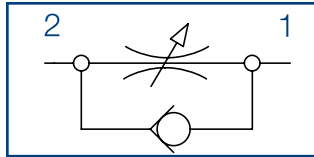
## DIMENSIONS & TECHNICAL PERFORMANCE



Code	A	Max flow	Max pressure	B	D	E	F	Approx. wt.
NFC-1/4"-NPT	NPTF 1/4	4 gpm	5800 PSI	2.60"	1.18"	2.68"	0.98"	0.75 lb
NFC-3/8"-NPT	NPTF 3/8	8 gpm	5800 PSI	3.03"	1.18"	2.68"	0.98"	0.90 lb
NFC-1/2"-NPT	NPTF 1/2	13 gpm	5800 PSI	3.58"	1.30"	2.83"	1.18"	1.32 lb
NFC-3/4"-NPT	NPTF 3/4	21 gpm	5800 PSI	4.43"	1.65"	3.70"	1.57"	3.09 lb
NFC-1"-NPT	NPTF 1	40 gpm	5800 PSI	5.55"	1.65"	3.90"	1.77"	4.20 lb
NFC-1-1/4"-NPT	NPTF 1-1/4	50 gpm	4000 PSI	6.10"	2.08"	4.78"	2.16"	6.73 lb
NFC-1-1/2"-NPT	NPTF 1-1/2	80 gpm	4000 PSI	6.61"	2.08"	5.17"	2.55"	10.00 lb

## PRESSURE DROPS





### SPECIFICATIONS

Fluid viscosity	45 to 2000 ssu (6 to 420 cSt)
Filtration	SAE class 4 or better
Fluid temperature	-4°F to 176°F
Ambient temperature	-4°F to 122°F

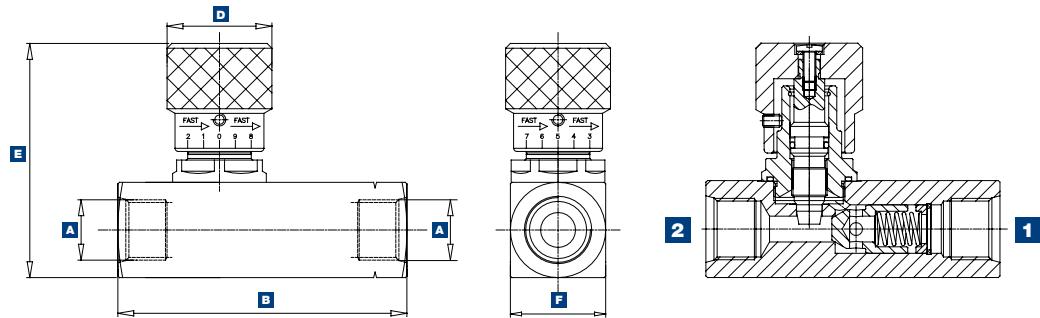
### MATERIALS

Valve body-setting fitting-thread/ring	High resistance steel CF39SMnPb36 (EN10087)
Setting knob	Aluminium P-AlCu5.5PbBi (UNI 90002/5)
Setting spool	High resistance steel CF35SMnPb10 (EN10087)
Poppet	High resistance steel 16CrNi4Pb (EN10084) - Hardened (UNI5381) and ground
Spring	High resistance steel Oteva 70 (EN10270/2)
O-ring	NBR 70 Sh
Elastic ring	UNI 7437
External treatment	Zinc plating FeZn8c1A (UNI 2081)



**NFC-SAE**

### DIMENSIONS & TECHNICAL PERFORMANCE



Code	A	Max flow	Max pressure	B	D	E	F	Approx. wt.
NFC-SAE4	7/16 - 20UNF	4 gpm	5800 PSI	2.60"	1.18"	2.68"	0.98"	0.85 lb
NFC-SAE6	9/16 - 18UNF	8 gpm	5800 PSI	2.78"	1.18"	2.68"	0.98"	0.88 lb
NFC-SAE8	3/4 - 16UNF	13 gpm	5800 PSI	3.58"	1.30"	2.83"	1.18"	1.32 lb
NFC-SAE12	1-1/16 - 12UN	21 gpm	5800 PSI	4.43"	1.65"	3.70"	1.57"	2.80 lb
NFC-SAE16	1-5/16 - 12UN	40 gpm	5800 PSI	5.55"	1.65"	3.90"	1.77"	4.11 lb
NFC-SAE20	1-5/8 - 12UN	50 gpm	4000 PSI	6.10"	2.08"	4.78"	2.16"	6.73 lb
NFC-SAE24	1-7/8 - 12UN	80 gpm	4000 PSI	6.61"	2.08"	5.17"	2.55"	10.00 lb

### PRESSURE DROPS

