

NVP80

- High Productivity – non-clogging design reduces downtime
- Strong hold – powerful vacuum up to 28"Hg [948mbar]
- Mounts Easily – compact and lightweight
- Fast Response – installs close to vacuum point
- Efficient – minimal air consumption
- Reliable operation – straight-through design with no moving parts

Technical Data

Fluid

Filtered (100 Micron) unlubricated, non-corrosive dry gases

Operating Temperature

-100° to ~400° F (-73° to ~204°C)

Operating Pressure

80 PSI (5.5 bar) Standard or 60 PSI (4.1 bar)

Materials

Pump Body: Anodized Aluminum

Supply Line

3/8" OD (10mm)

Vacuum Line

3/8" OD (10mm)

Mounting Holes

Mounting holes accept 10-32[M5] screws

Control Valve

3 way/2 position (faster part release), minimum orifice – 0.125" [3mm]

Performance Level Designations

"M" 0-20"Hg [0 to 677mbar] for medium vacuum/high flow applications

"H" 0-28"Hg [0 to 948mbar] for high vacuum/standard flow applications

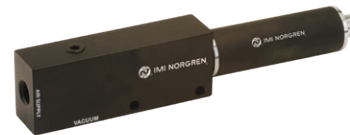
Product options

Standard (NVP80)

Pneumatic blow-off (NVP8X)

Multi-port (NVP80M0)

Air Saver (NVP80C0)



Standard Models

Part number	Max. Vacuum Level	Max. Vacuum Flow	Air Consumption	Silencer
NVP80-200M-S08A00	20"Hg	6.00 SCFM	4.80 SCFM	NST6A Silencer
NVP80-200H-S08A00	28"Hg	5.40 SCFM	7.80 SCFM	NST6A Silencer
NVP80-250M-S10A00	20"Hg	9.50 SCFM	7.80 SCFM	NST8A Silencer
NVP80-250H-S10A00	28"Hg	9.00 SCFM	12.50 SCFM	NST8A Silencer

Accessories

Option selector

Series		Substitute		Accessories		Substitute	
NVP (Imperial Thread)				Extra Port if Available / No Accessories		A00	
NVPM (Metric Thread)		M		Silencers (for NVP*80-200*)		Substitute	
Vacuum Flow Level		Substitute		None		S00	
Venturi Cartridge 200		200		NAA6 (70dB)		S03	
Venturi Cartridge 250		250		NST6A (72dB)		S08	
Vacuum Level		Substitute		NSTAA6 (64dB)		S13	
20"Hg @ 80PSI (Standard)		M		NFA-51-.375 (72dB)		S26	
28"Hg @ 80PSI (Standard)		H		Silencers (for NVP*80-250*)		Substitute	
20"Hg @ 60PSI		Y		None		S00	
28"Hg @ 60PSI		Z		NFA-51-.500 (72dB)		S27	
				NFA-51-.500 - No Elbow (72dB)		S37	
				NST8A (74dB)		S10	
				NST8B (76dB)		S11	

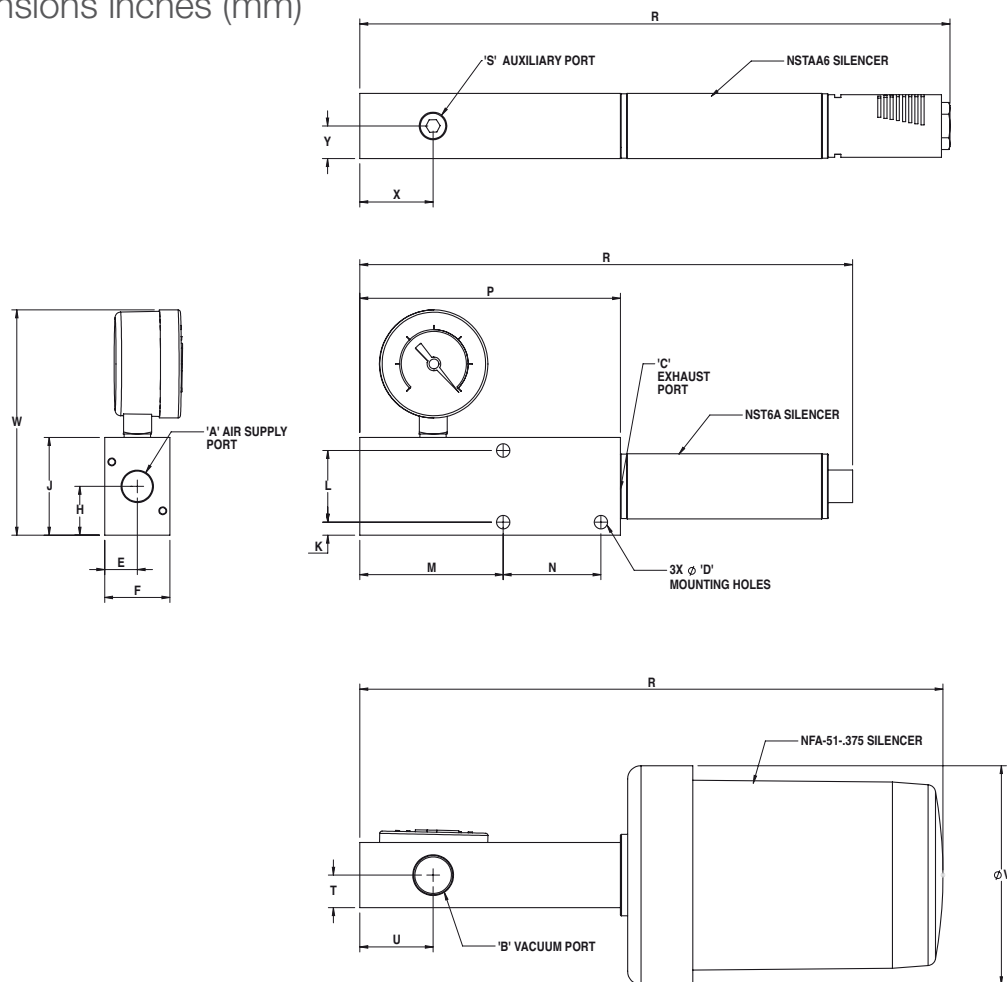
Accessories

Model	Silencer	Inline Fitting	Swivel Elbow Fitting	Vacuum Fitting	Bellows Cup	Flat Cup
						
NVP80-200M-S08A00	NST6A	124250628	124470618	NVCF5-38M	NVCR-B****-*	VCR-F40P-*
NVP80-200H-S08A00	NST6A	124250628	124470618	NVCF5-38M	NVCR-B****-*	VCR-F40P-*
NVP80-250M-S10A00	NST-8A	124250628	124470618	NVCF5-38M	NVCR-B****-*	VCR-F40P-*
NVP80-250H-S10A00	NST-8A	124250628	124470618	NVCF5-38M	NVCR-B****-*	VCR-F40P-*

*Proper selection of vacuum cups depends on the application. Cups are available in various durometers, colors and materials. If you do not see what you are looking for, please consult factory

*The fittings, cups, and spring levelers listed are a small selection of possible options please refer to the specific catalog section

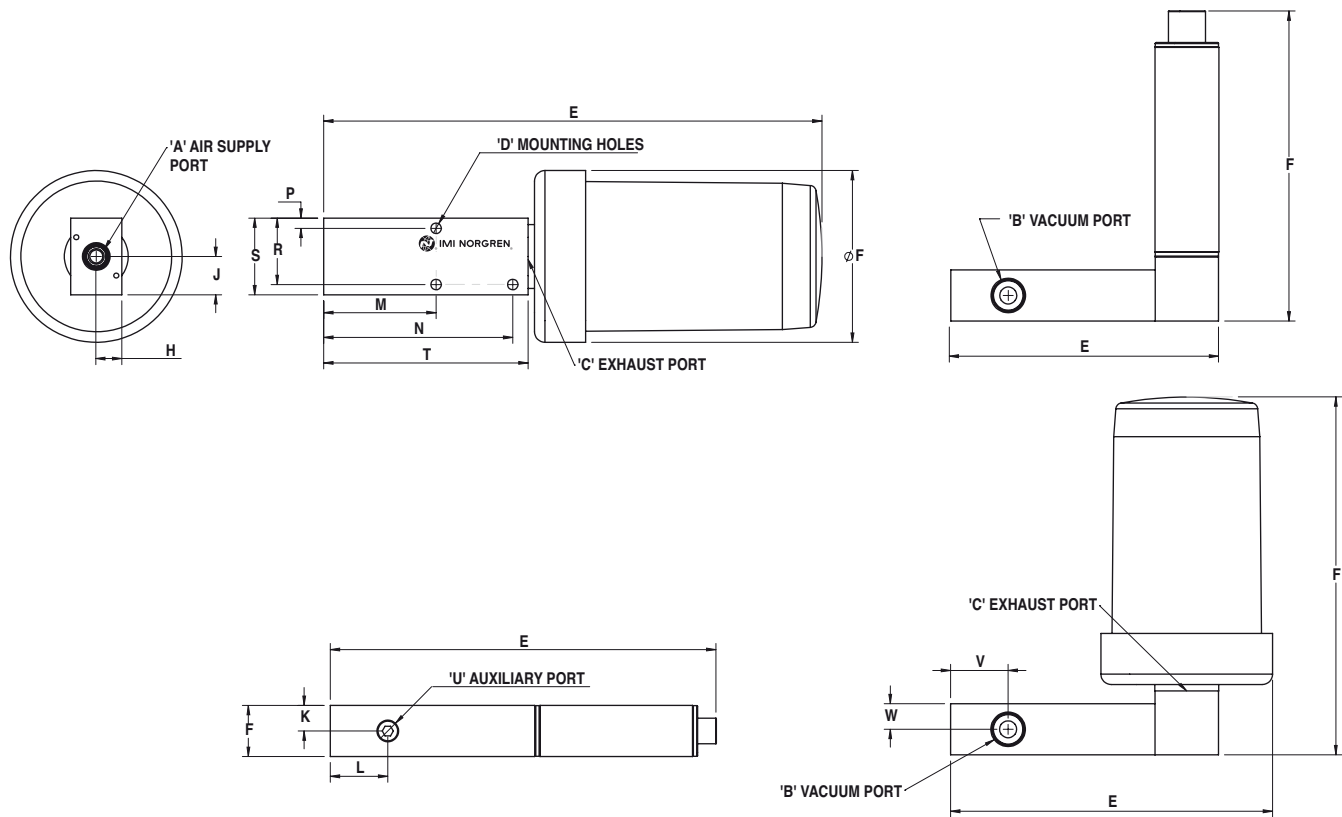
Dimensions inches (mm)



Model	Units	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	W	X	Y
NVP80-200*-S08A00	Imperial	1/4 NPTF	3/8 NPTF	3/8 NPTF	0.21	0.50	1.00	0.75	1.50	0.20	1.10	2.20	1.50	4.00	7.57	1/8 NPTF	0.50	1.13	3.36	3.46	1.12	0.50
NVP80-200*-S13A00	Imperial	1/4 NPTF	3/8 NPTF	3/8 NPTF	0.21	0.50	1.00	0.75	1.50	0.20	1.10	2.20	1.50	4.00	9.05	1/8 NPTF	0.50	1.13	3.36	3.46	1.12	0.50
NVP80-200*-S26A00	Imperial	1/4 NPTF	3/8 NPTF	3/8 NPTF	0.21	0.50	1.00	0.75	1.50	0.20	1.10	2.20	1.50	4.00	9.74	1/8 NPTF	0.50	1.13	3.36	3.46	1.12	0.50
NVPM80-200*-S08A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(38.10)	(5.10)	(27.90)	(55.90)	(38.10)	(101.60)	(192.30)	G 1/8	(12.70)	(28.70)	(85.30)	(87.90)	(28.40)	(12.7)
NVPM80-200*-S13A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(38.10)	(5.10)	(27.90)	(55.90)	(38.10)	(101.60)	(229.90)	G 1/8	(12.70)	(28.70)	(85.30)	(87.90)	(28.40)	(12.7)
NVPM80-200*-S26A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(38.10)	(5.10)	(27.90)	(55.90)	(38.10)	(101.60)	(247.40)	G 1/8	(12.70)	(28.70)	(85.30)	(87.90)	(28.40)	(12.7)

NVP80

● Dimensions inches (mm)



Model	Units	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	U	V	W
NVP80-250*-S27A00	Imperial	1/4 NPTF	3/8 NPTF	1/2 NPTF	0.21	6.30	7.00	0.50	0.75	0.50	1.13	2.20	3.70	0.20	1.30	1.50	4.00	1/8 NPTF	1.13	0.50
NVP80-250*-S37A00	Imperial	1/4 NPTF	3/8 NPTF	1/2 NPTF	0.21	9.75	3.36	0.50	0.75	0.50	1.13	2.20	3.70	0.20	1.30	1.50	4.00	1/8 NPTF	1.13	0.50
NVP80-250*-S10A00	Imperial	1/4 NPTF	3/8 NPTF	1/2 NPTF	0.21	7.54	1.00	0.50	0.75	0.50	1.13	2.20	3.70	0.20	1.30	1.50	4.00	1/8 NPTF	1.13	0.50
NVP80-250*-S11A00	Imperial	1/4 NPTF	3/8 NPTF	1/2 NPTF	0.21	5.24	6.06	0.50	0.75	0.50	1.13	2.20	3.70	0.20	1.30	1.50	4.00	1/8 NPTF	1.13	0.50
NVPM80-250*-S27A00	(Metric)	(G 1/4)	(G 3/8)	(G 1/2)	(5.30)	(160.00)	(177.90)	(12.70)	(19.10)	(12.70)	(28.60)	(55.90)	(94.00)	(5.10)	(33.00)	(38.10)	(101.60)	(G 1/8)	(28.60)	(12.70)
NVPM80-250*-S37A00	(Metric)	(G 1/4)	(G 3/8)	(G 1/2)	(5.30)	(247.70)	(85.30)	(12.70)	(19.10)	(12.70)	(28.60)	(55.90)	(94.00)	(5.10)	(33.00)	(38.10)	(101.60)	(G 1/8)	(28.60)	(12.70)
NVPM80-250*-S10A00	(Metric)	(G 1/4)	(G 3/8)	(G 1/2)	(5.30)	(191.50)	(25.40)	(12.70)	(19.10)	(12.70)	(28.60)	(55.90)	(94.00)	(5.10)	(33.00)	(38.10)	(101.60)	(G 1/8)	(28.60)	(12.70)
NVPM80-250*-S11A00	(Metric)	(G 1/4)	(G 3/8)	(G 1/2)	(5.30)	(133.10)	(153.90)	(12.70)	(19.10)	(12.70)	(28.60)	(55.90)	(94.00)	(5.10)	(33.00)	(38.10)	(101.60)	(G 1/8)	(28.60)	(12.70)

NVP8X

Pneumatic Blow-off

- All in one vacuum and blow-off - only compressed air required
- High Productivity – non-clogging design reduces downtime
- Strong hold – powerful vacuum up to 28"Hg [948mbar]
- Mounts Easily – compact and lightweight
- Fast Response – installs close to vacuum point
- Efficient – minimal air consumption
- Reliable operation – straight-through design with no moving parts

Technical Data

Fluid

Filtered (100 Micron) unlubricated, non-corrosive dry gases

Operating Temperature

32° to ~125° F (0° to ~52°C)

Operating Pressure

80 PSI (5.5 bar) Standard or 60 PSI (4.1 bar)

Materials

Pump Body: Anodized Aluminum

Pump Options

B1 adjustable version allows the user to set the intensity of the blow-off from no blow-off to full blow-off

Cycle Rates

Up to 900/min

Blow-off Response Time

Instantaneous

Blow-off Duration

100 milliseconds (based on system design)

Orientation

Any

Supply Line

3/8" OD (10mm) tube

Vacuum Line

3/8" OD (10mm) tube

Mounting Holes

Mounting holes accept 10-32 [M5] screws

Control Valve

3 way/2 position, minimum orifice – 0.156" [4mm]

Performance Level Designations

"L" 0-10"Hg [0 to 339mbar] for low vacuum/high flow applications

"M" 0-20"Hg [0 to 677mbar] for medium vacuum/high flow applications

"H" 0-28"Hg [0 to 948mbar] for high vacuum/standard flow applications

"X" 0-10"Hg [0 to 339mbar] for low vacuum/high flow applications

"Y" 0-20"Hg [0 to 677mbar] for medium vacuum/high flow applications

Product options

Standard (NVP80)

Pneumatic blow-off (NVP8X)

Multi-port (NVP80MO)

Air Saver (NVP80CO)



Standard Models

Part number	Max. Vacuum Level	Max. Vacuum Flow	Air Consumption	Silencer
NVP8XB0-200M-S08A00	20"Hg	6.00 SCFM	4.80 SCFM	NST6A Silencer
NVP8XB0-200H-S08A00	28"Hg	5.40 SCFM	7.80 SCFM	NST6A Silencer

Accessories

Option selector

Series		Substitute		Accessories		Substitute	
NVP				Extra Port if Available / No Accessories		A00	
NVP				Silencers		Substitute	
NVP				None		S00	
NVP				NAA6 (70dB)		S03	
NVP				NST6A (72dB)		S08	
NVP				NSTAA6 (64dB)		S13	
NVP				NFA-51-.375 (72dB)		S26	
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NVP8X

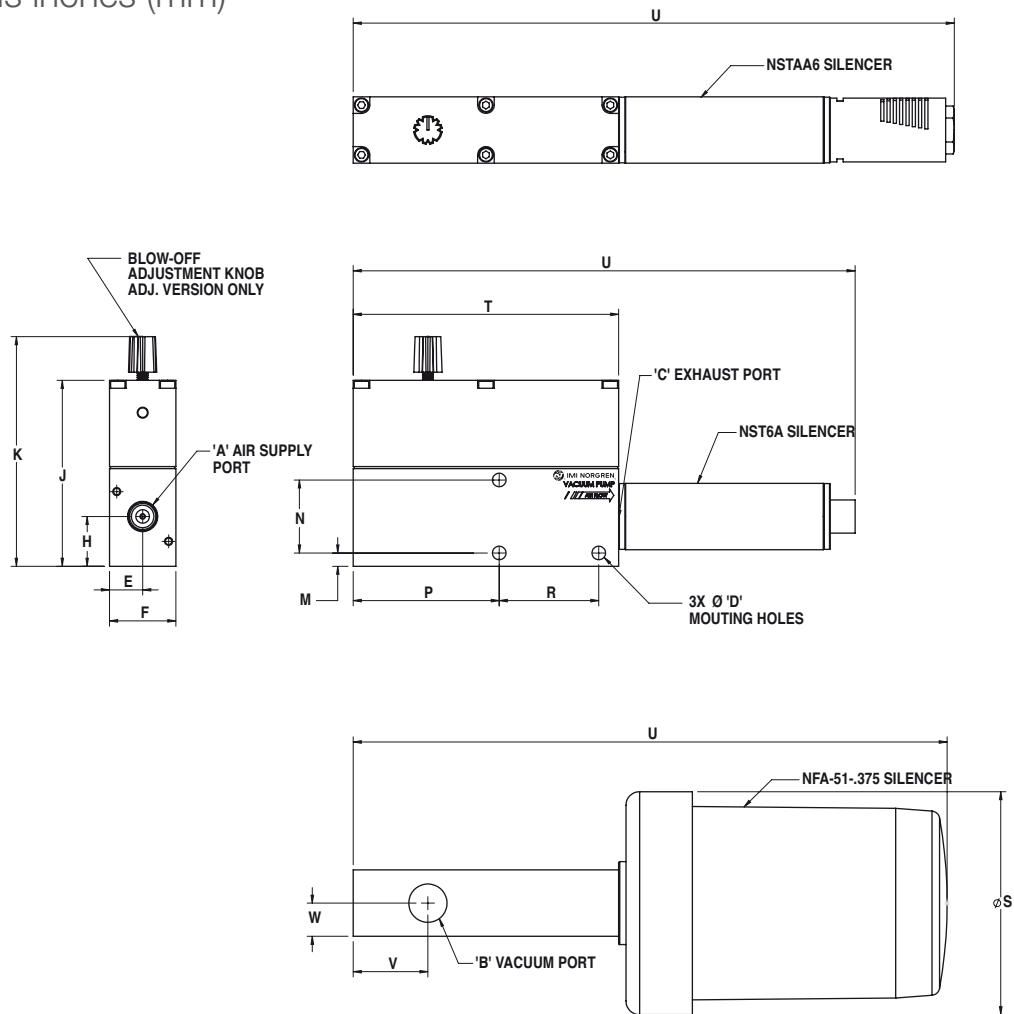
Pneumatic Blow-off

● Accessories

Model	Silencer	Inline Fitting	Swivel Elbow Fitting	Vacuum Fitting	Bellows Cup	Flat Cup
						
NVP8XB0-200M-S08A00	NST6A	124250628	124470628	VCF5-38M, VCF6-38M	NVCR-B***-*	NVCR-F***-*
NVP8XB0-200H-S08A00	NST6A	124250628	124470628	VCF5-38M, VCF6-38M	NVCR-B***-*	NVCR-F***-*

*Proper selection of vacuum cups depends on the application. Cups are available in various durometers, colors and materials. If you do not see what you are looking for, please consult factory. The fittings, cups, and spring levelers listed are a small selection of possible options please refer to the specific catalog section

● Dimensions inches (mm)



Model	Units	A	B	C	D	E	F	H	J	K*	M	N	P	R	S	T	U	V	W
NVP8XB0-****-S08A00	Imperial	1/4 NPTF	3/8 NPTF	3/8 NPTF	0.21	0.50	1.00	0.75	2.80	3.46	0.20	1.10	2.20	1.50	3.36	4.00	7.56	1.13	0.50
NVP8XB0-****-S13A00	Imperial	1/4 NPTF	1/4 NPTF	1/4 NPTF	0.21	0.50	1.00	0.75	2.80	3.46	0.20	1.10	2.20	1.50	3.36	4.00	9.06	1.13	0.50
NVP8XB0-****-S26A00	Imperial	1/4 NPTF	1/4 NPTF	1/4 NPTF	0.21	0.50	1.00	0.75	2.80	3.46	0.20	1.10	2.20	1.50	3.36	4.00	9.70	1.13	0.50
NVPM8XB0-****-S08A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(71.10)	(87.90)	(5.10)	(27.90)	(55.90)	(38.10)	(85.30)	(101.60)	(192.00)	(28.60)	(12.70)
NVPM8XB0-****-S13A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(71.10)	(87.90)	(5.10)	(27.90)	(55.90)	(38.10)	(85.30)	(101.60)	(230.10)	(28.60)	(12.70)
NVPM8XB0-****-S26A00	(Metric)	(G 1/4)	(G 3/8)	(G 3/8)	(5.30)	(12.70)	(25.40)	(19.10)	(71.10)	(87.90)	(5.10)	(27.90)	(55.90)	(38.10)	(85.30)	(101.60)	(246.40)	(28.60)	(12.70)

NVP80M0

Multi-port

- Multi-port version - distribute vacuum to multiple locations
- High Productivity – non-clogging design reduces downtime
- Strong hold – powerful vacuum up to 28"Hg [948mbar]
- Mounts Easily – compact and lightweight
- Fast Response – installs close to vacuum point
- Efficient – minimal air consumption
- Reliable operation – straight-through design with no moving parts

Technical Data

Fluid

Filtered (100 Micron) unlubricated, non-corrosive dry gases

Operating Temperature

-100° to ~400° F (-73° to ~204°C)

Operating Pressure

80 PSI (5.5 bar) Standard or 60 PSI (4.1 bar)

Materials

Pump Body: Anodized Aluminum

Supply Line

3/8" OD (10mm)

Vacuum Line

3/8" OD (10mm)

Mounting Holes

Mounting holes accept 10-32 [M5] screws

Control Valve

3 way/2 position (faster part release), minimum orifice – 0.25" [6mm]

Performance Level Designations

"L" 0-10"Hg [0 to 339mbar] for low

vacuum/high flow applications

"M" 0-20"Hg [0 to 677mbar] for medium vacuum/high flow applications

"H" 0-28"Hg [0 to 948mbar] for high vacuum/standard flow applications

Product options

Standard (NVP80)

Pneumatic blow-off (NVP8X)

Multi-port (NVP80M0)

Air Saver (NVP80C0)



Standard Models

Part number	Max. Vacuum Level	Max. Vacuum Flow	Air Consumption	Silencer
NVP80M0-200M-S08A00	20"Hg	6.00 SCFM	4.80 SCFM	NST6A Silencer
NVP80M0-200H-S08A00	28"Hg	5.40 SCFM	7.80 SCFM	NST6A Silencer
NVP80M0-250M-S10A00	20"Hg	9.50 SCFM	7.80 SCFM	NST8A Silencer
NVP80M0-250H-S10A00	28"Hg	9.00 SCFM	12.50 SCFM	NST8A Silencer

Accessories

Option selector

Series	Substitute	NVP★80M0-★★★★-S★★A★★	Accessories	Substitute
NVP (Imperial Thread)			Extra Port if Available / No Accessories	A00
NVPM (Metric Thread)	M		Extra Port if Available / NVTMV-QD-6	A02
Vacuum Flow Level	Substitute		Extra Port if Available / NVSMN-QD-6	A04
Venturi Cartridge 200	200		Extra Port if Available / NVSMP-QD-6	A06
Venturi Cartridge 250	250		Silencers (for NVP*80-200*)	Substitute
Vacuum Level	Substitute		None	S00
10"Hg @ 80PSI (Standard)	L		NAA6 (70dB)	S03
20"Hg @ 80PSI (Standard)	M		NST6A (72dB)	S08
28"Hg @ 80PSI (Standard)	H		NSTAA6 (64dB)	S13
10"Hg @ 60PSI	X		Silencers (for NVP*80-250*)	
20"Hg @ 60PSI	Y		NST8A (74dB)	S10
28"Hg @ 60PSI	Z			

NVP80M0

Multi-port

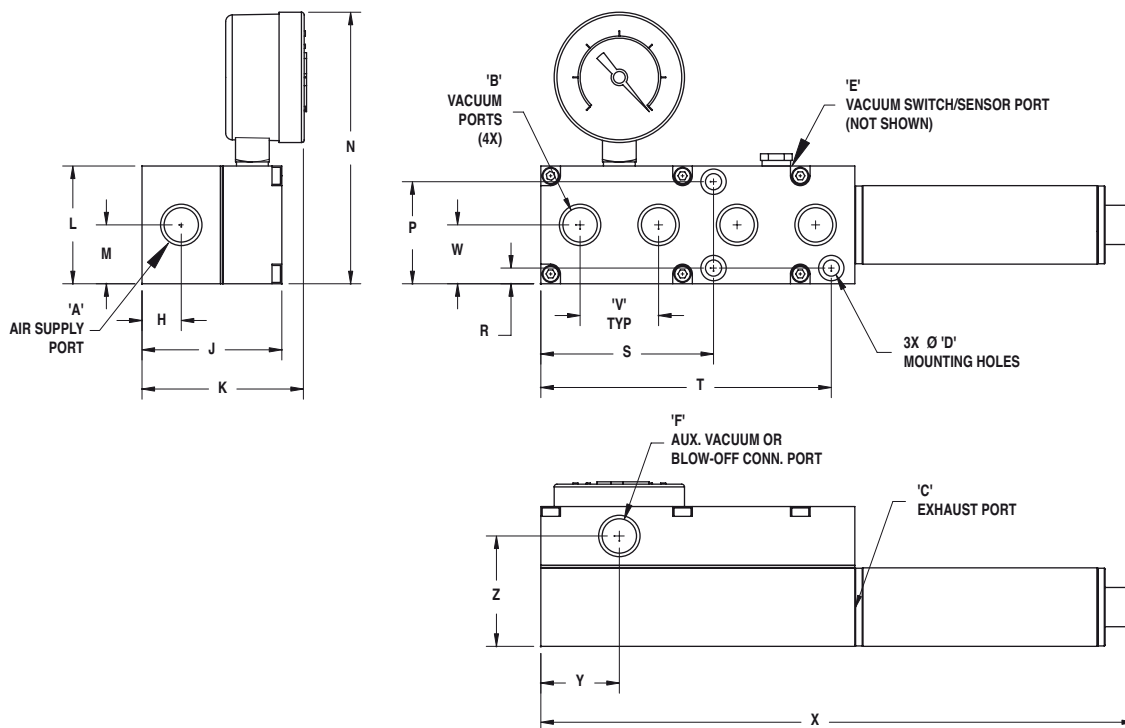
Accessories

Model	Silencer	Inline Fitting	Pneufit Swivel Male Elbow	Vacuum Swivel Fitting
				
NVP80M0-200M-S08A00	NST6A	124250628	124470628	124470628
NVP80M0-200H-S08A00	NST6A	124250628	124470628	124470628
NVP80M0-250M-S10A00	NST6A	124250638	124470638	124470628
NVP80M0-250H-S10A00	NST6A	124250638	124470638	124470628

*Proper selection of vacuum cups depends on the application. Cups are available in various durometers, colors and materials. If you do not see what you are looking for, please consult factory

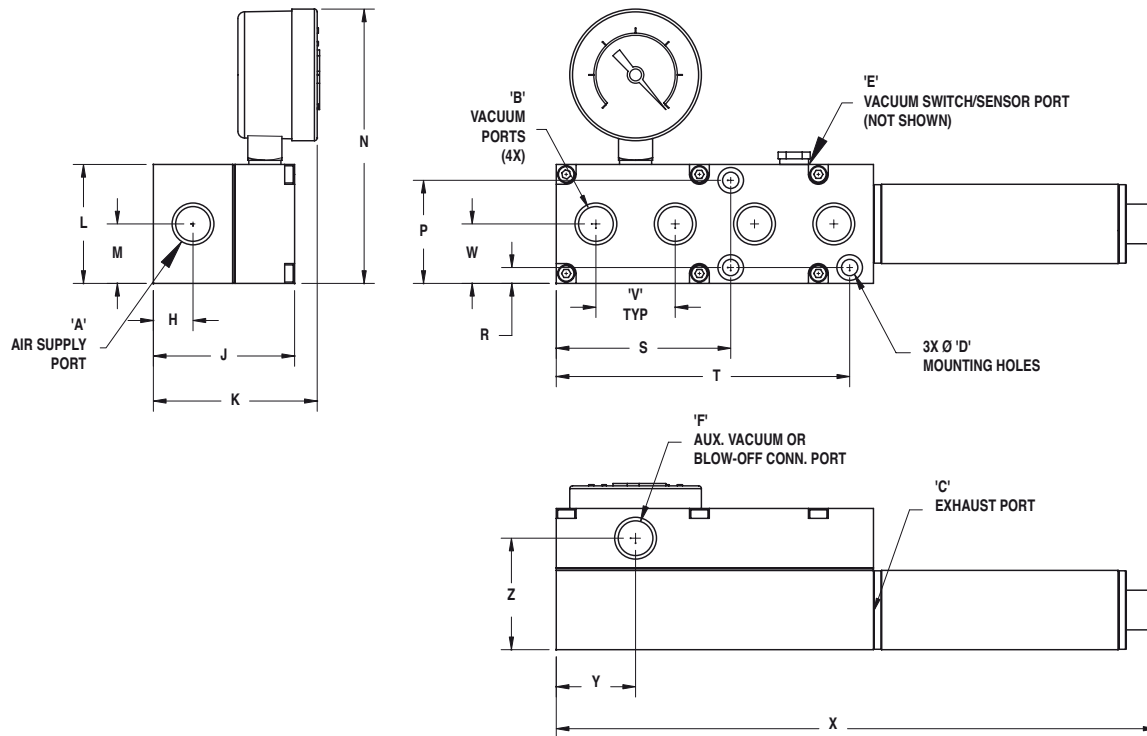
*The fittings, cups, and spring levelers listed are a small selection of possible options please refer to the specific catalog section

Dimensions inches (mm)



Model	Units	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	V	W	X	Y	Z
NVP80M0-200*-S03A00	Imperial	1/4 NPTF	1/4 NPTF	3/8 NPTF	0.21	10-32	1/4 NPTF	0.50	1.78	2.06	1.50	0.75	3.46	1.30	0.20	2.20	3.70	1.00	0.75	6.00	1.00	1.41
NVP80M0-200*-S08A00	Imperial	1/4 NPTF	1/4 NPTF	3/8 NPTF	0.21	10-32	1/4 NPTF	0.50	1.78	2.06	1.50	0.75	3.46	1.30	0.20	2.20	3.70	1.00	0.75	7.56	1.00	1.41
NVP80M0-200*-S13A00	Imperial	1/4 NPTF	1/4 NPTF	3/8 NPTF	0.21	10-32	1/4 NPTF	0.50	1.78	2.06	1.50	0.75	3.46	1.30	0.20	2.20	3.70	1.00	0.75	9.00	1.00	1.41
NVP80M0-200*-S03A00	(Metric)	(G 1/4)	(G 1/4)	(G 3/8)	(.52)	(M5)	(G 1/4)	(12.70)	(45.20)	(52.20)	(38.10)	(19.10)	(87.90)	(33.00)	(5.10)	(55.90)	(94.00)	(25.40)	(19.10)	(152.40)	(25.40)	(35.70)
NVP80M0-200*-S08A00	(Metric)	(G 1/4)	(G 1/4)	(G 3/8)	(.52)	(M5)	(G 1/4)	(12.70)	(45.20)	(52.20)	(38.10)	(19.10)	(87.90)	(33.00)	(5.10)	(55.90)	(94.00)	(25.40)	(19.10)	(192.00)	(25.40)	(35.70)
NVP80M0-200*-S13A00	(Metric)	(G 1/4)	(G 1/4)	(G 3/8)	(.52)	(M5)	(G 1/4)	(12.70)	(45.20)	(52.20)	(38.10)	(19.10)	(87.90)	(33.00)	(5.10)	(55.90)	(94.00)	(25.40)	(19.10)	(228.60)	(25.40)	(35.70)

● Dimensions inches (mm)



Model	Units	A	B	C	D	E	F	H	J	K	L	M	N	P	R	S	T	V	W	X	Y	Z
NVP8XB0-250*-S03A00	Imperial	3/8 NPTF	1/4 NPTF	1/2 NPTF	0.21	10-32	1/4 NPTF	0.50	1.78	2.07	1.50	0.75	3.46	1.30	0.20	2.20	3.70	1.00	0.75	7.56	1.00	1.41
NVPM8XB0-250*-S03A00	(Metric)	(G 3/8)	(G 1/4)	(G 1/2)	(5.20)	M5	(G 1/4)	(12.70)	(45.20)	(52.50)	(38.10)	(19.10)	(87.90)	(33.00)	(5.10)	(55.90)	(94.00)	(25.40)	(19.10)	(192.10)	(25.40)	(35.70)

NVP80C0

Air Saver

- Energy efficient – compressed air on only when needed, automatic shut-off
- High Productivity – non-clogging design reduces downtime
- Strong hold – powerful vacuum up to 28"Hg [948mbar]
- Mounts Easily – compact and lightweight
- Fast Response – installs close to vacuum point
- Efficient – minimal air consumption
- Reliable operation – straight-through design with no moving parts

Technical Data

Fluid

Filtered (100 Micron) unlubricated, non-corrosive dry gases

Operating Temperature

-30° to ~250° F (-34° to 121°C)

Operating Pressure

80 PSI (5.5 bar) Standard or 3/8" OD (10mm) for sizes 200 and 250

Materials

Pump Body: Anodized Aluminum

Supply/Vacuum Line

3/8" OD (10mm) for size 200
1/2" OD (12mm) for size 250

Mounting Holes

Mounting holes accept 10-32 [M5] screws

Control Valve

3 way/2 position (faster part release), minimum orifice – 0.125" [3mm]

Performance Level Designations

"M" 0-20"Hg [0 to 677mbar] for medium vacuum/high flow applications

"H" 0-28"Hg [0 to 948mbar] for high vacuum/standard flow applications

Pump Selection

1. Determine the desired evacuation time (speed)
2. Calculate the total volume of air to be evacuated in the system including vacuum lines, vessel/cavity size, cups, etc.
3. Determine the desired vacuum level, "Hg/mbar

Application ex.: Evacuate 2 cu.ft. of air in 1 minute (60 sec) at a vacuum level of 21"Hg
Formula: Time (60 sec)/Cu. ft (2) = 30 seconds per cu.ft. (evacuation speed)

Product options

Standard (NVP80)
Pneumatic blow-off (NVP8X)
Multi-port (NVP80M0)
Air Saver (NVP80C0)



Standard Models

Part number	Max. Vacuum Level	Max. Vacuum Flow	Air Consumption	Silencer
NVP80C0-200M-S08A00	20"Hg	6.00 SCFM	4.80 SCFM	NST6A Silencer
NVP80C0-200H-S08A00	28"Hg	5.40 SCFM	7.80 SCFM	NST6A Silencer
NVP80C0-250M-S10A00	20"Hg	9.50 SCFM	7.80 SCFM	NST8A Silencer
NVP80C0-250H-S10A00	28"Hg	9.00 SCFM	12.50 SCFM	NST8A Silencer

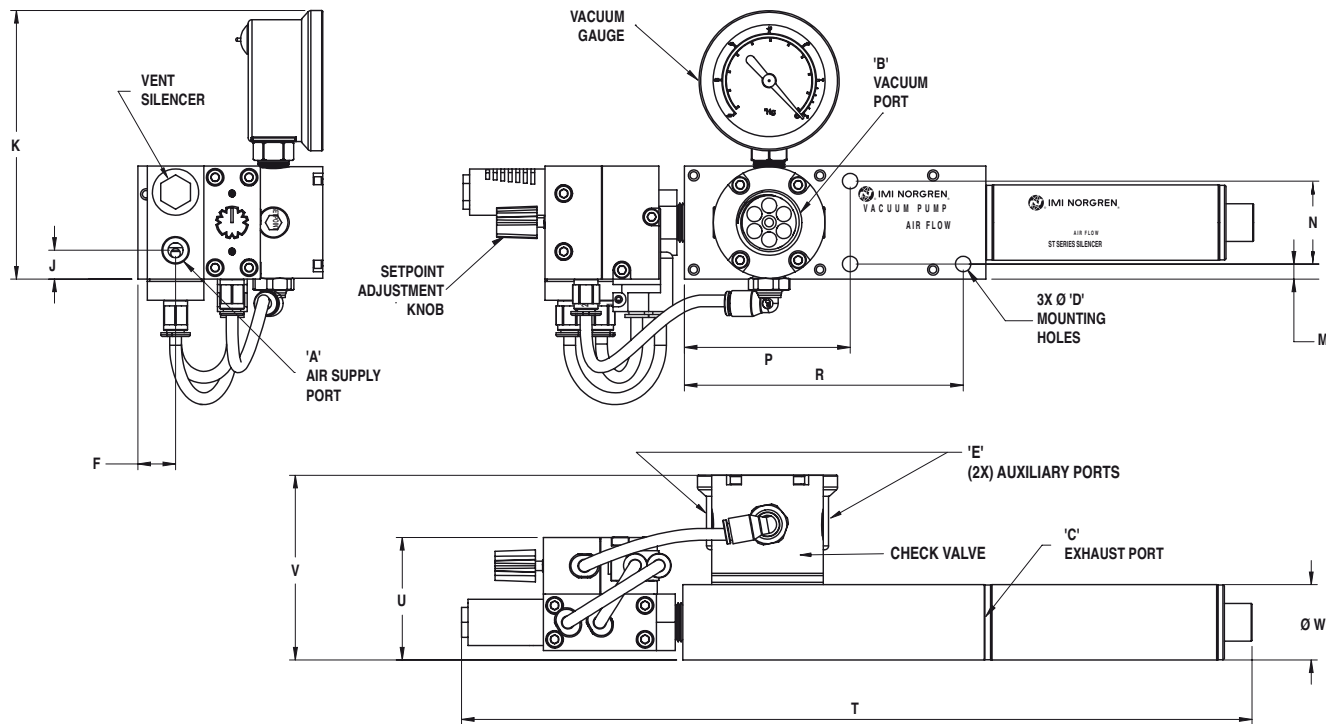
Accessories

Option selector

NVP★80C0-★★★-S08A00

Series	Substitute	Accessories	Substitute
NVP (Imperial Thread)		Extra Port if Available / No Accessories	A00
NVPM (Metric Thread)	M	Silencers	Substitute
Vacuum Flow Level	Substitute	NST6A (72dB)	S08
Venturi Cartridge 200	200		
Venturi Cartridge 250	250		
Vacuum Level	Substitute		
20"Hg @ 80PSI (Standard)	M		
28"Hg @ 80PSI (Standard)	H		
20"Hg @ 60PSI	Y		
28"Hg @ 60PSI	Z		

Dimensions inches (mm)



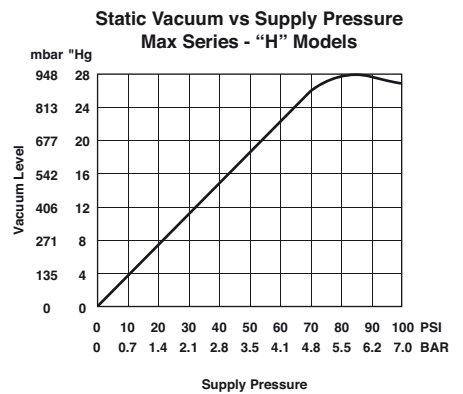
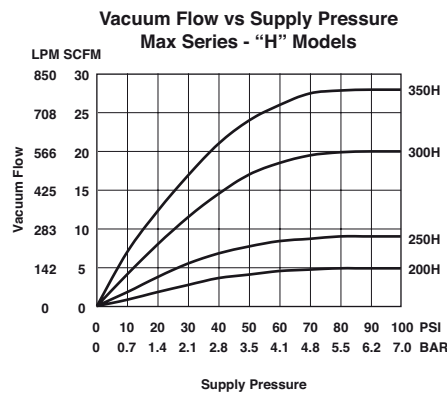
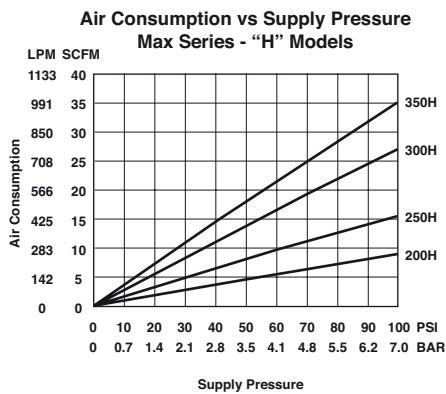
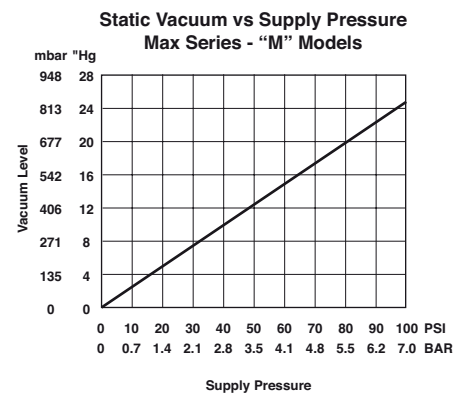
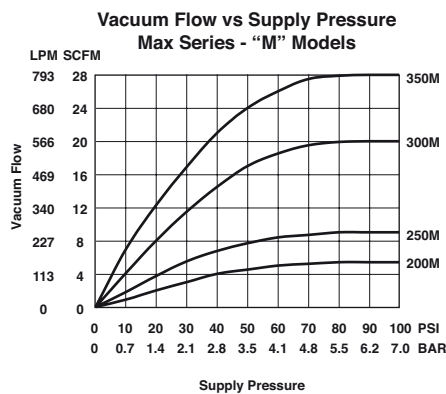
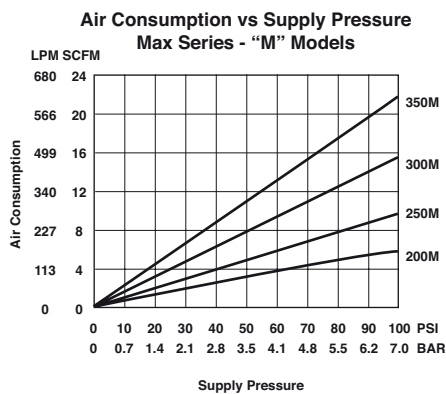
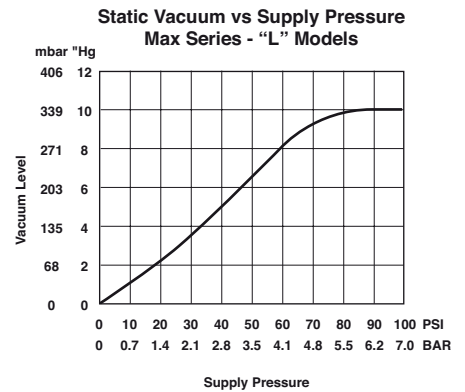
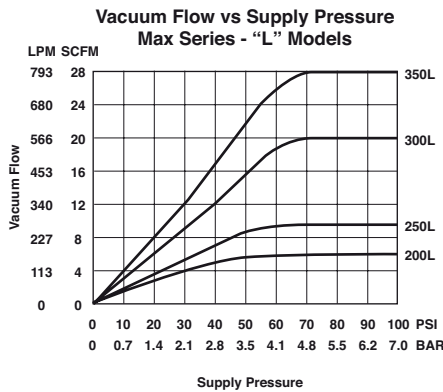
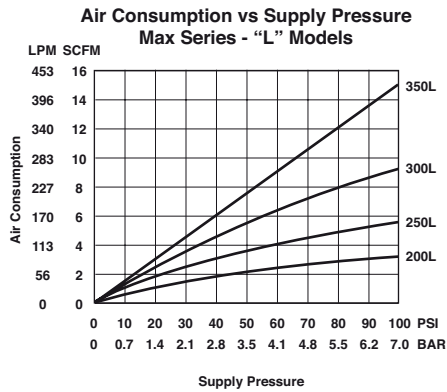
Model	Units	A	B	C	D	E	F	J	K	M	N	P	R	T	U	V	W
NVP80C0-***-S02A00	Imperial	1/8 NPTF	1/2 NPTF	3/8 NPTF	0.21	1/8 NPTF	0.50	0.34	3.49	0.20	1.30	2.20	3.70	10.41	1.60	2.30	1.00
NVPM20C0-***-S02A00	(Metric)	(G 1/8)	(G 1/2)	(G 3/8)	(5.20)	(G 1/8)	(12.7)	(8.60)	(88.60)	(5.10)	(33.00)	(55.90)	(94.00)	(264.50)	(40.60)	(58.40)	(25.40)

● Performance Data

Model	Air Consumption SCFM (L/min)	Vacuum Level "Hg (mbar)	0"Hg (0)	3"Hg (102)	6"Hg (203)	9"Hg (305)	10"Hg (339)	12"Hg (406)	15"Hg (508)	18"Hg (609)	20"Hg (677)	21"Hg (711)	24"Hg (813)	27"Hg (914)	28"Hg (948)
200L	2.80 (79.3)	Vacuum Flow SCFM (L/min)	6.00 (169.90)	5.80 (164.20)	4.30 (121.80)	1.70 (48.10)	0 (0)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
		Evacuation time (seconds)	0 (0)	0.77 (0)	2.05 (0.10)	4.62 (0.20)	13.34 (0.50)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
250L	4.80 (135.9)	Vacuum Flow SCFM (L/min)	9.50 (269)	7.90 (223.70)	5.70 (161.40)	2.20 (62.30)	0 (0)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
		Evacuation time (seconds)	0 (0)	0.52 (0)	1.28 (0)	3.08 (0.10)	7.95 (0.30)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
200M	4.80 (135.9)	Vacuum Flow SCFM (L/min)	6.00 (169.90)	5.30 (150.10)	4.90 (138.80)	4.00 (113.30)	- (-)	3.50 (99.10)	2.50 (70.80)	1.10 (31.10)	0 (0)	- (-)	- (-)	- (-)	- (-)
		Evacuation time (seconds)	0 (0)	0.75 (0)	1.90 (0.10)	3.20 (0.10)	- (-)	5.30 (0.20)	8.70 (0.30)	17.10 (0.60)	42.60 (1.50)	- (-)	- (-)	- (-)	- (-)
250M	7.80 (220.9)	Vacuum Flow SCFM (L/min)	9.50 (269)	9.20 (260.5)	8.30 (235)	7.00 (198.20)	- (-)	4.70 (133.10)	3.40 (96.30)	2.20 (62.30)	0 (0)	- (-)	- (-)	- (-)	- (-)
		Evacuation time (seconds)	0 (0)	0.45 (0)	1.10 (0)	2.40 (0.10)	- (-)	3.80 (0.10)	6.00 (0.20)	9.70 (0.30)	15.40 (0.50)	- (-)	- (-)	- (-)	- (-)
200H	7.80 (220.9)	Vacuum Flow SCFM (L/min)	5.40 (152.90)	4.70 (133.10)	3.85 (109)	3.30 (93.40)	- (-)	3.00 (85)	2.60 (73.60)	2.10 (59.50)	- (-)	1.60 (45.30)	1.20 (34)	0.60 (17)	0 (0)
		Evacuation time (seconds)	0 (0)	1.20 (0)	2.10 (0.10)	3.40 (0.10)	- (-)	5.20 (0.20)	7.70 (0.30)	11.50 (0.40)	- (-)	20.00 (0.70)	33.50 (1.20)	62.60 (2.20)	98.10 (3.50)
250H	12.50 (354)	Vacuum Flow SCFM (L/min)	9.00 (254.90)	8.50 (240.70)	7.85 (222.30)	7.00 (198.20)	- (-)	6.50 (184.10)	5.30 (150.10)	3.90 (110.40)	- (-)	2.50 (70.80)	1.80 (51)	0.90 (25.50)	0 (0)
		Evacuation time (seconds)	0 (0)	0.75 (0)	1.30 (0)	2.20 (0.10)	- (-)	3.50 (0.10)	5.60 (0.20)	9.10 (0.30)	- (-)	17.40 (0.60)	30.10 (1.10)	56.00 (2)	76.00 (2.70)

Evacuation time in seconds based on 1 cubic foot volume / "Hg (1 Liter Volume / mbar)

Performance Data



Notes: Standard operating pressure for IMI Norgren pumps is 80 PSI [5.5 bar]. Pumps can be factory modified to run at other operating pressures i.e. 60 PSI [4.1 bar] etc. The values shown in the performance chart will remain the same for all operating pressures.

Warnings

Improper selection, misuse, age or malfunction of components used in systems can cause failure in various modes. The system designer is warned to consider the failure modes of all component parts and to provide adequate safeguards to prevent personal injury or damage to equipment or property in the event of such failure modes. System designers and end users are cautioned to consult instruction sheets and specifications available from the factory. The system designer/end user is responsible for verifying that all requirements for the application are met.

Warranty

The products described herein are warranted subject to seller's Standard Terms and Condition of Sale, available at seller's website.