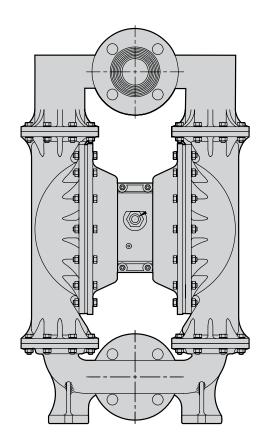




NPF50 2" METALLIC PUMP (BOLTED) PWR-FLO[™] AIR DISTRIBUTION SYSTEM



AIR-OPERATED

ALUMINUM Models

316 S.S. Models

O DOUBLE DIAPHRAGM

PUMPS



Tel: 866-777-6060 Fax: 866-777-6383

Springer Pumps, LLC

Website: www.springerpumps.com Int'l: +001 267 404 2910

N 🛈 M A D | **CAUTIONS - READ FIRST**

CAUTION: Do not apply compressed air to the exhaust port – pump will not function.

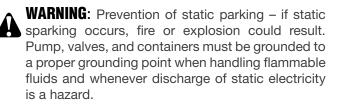
CAUTION: Do not over-lubricate air supply – excess Iubrication will reduce pump performance. Pump is pre-lubed.

TEMPERATURE LIMITS:

Neoprene -17.7°C to 93.3°C 0°F to 200°F -12.2°C to 82.2°C Buna-N 10°F to 180°F -15.1°C to 137.8°C -60°F to 280°F EPDM NOTE: Not all materials are available for all models. Refer to Section 2 for material options for your pump.

CAUTION: Check temperature limits for all wetted components. Example: Viton® has a maximum limit of 176.7°C (350°F) but polypropylene has a maximum limit of only 79°C (175°F).

CAUTION: Maximum temperature limit are based upon mechanical stress only. Certain chemicals will significantly reduce maximum safe operating temperatures.



CAUTION: Do not exceed 8.6 bar (125psig) air supply pressure.

CAUTION: The process fluid and cleaning fluids must be chemically compatible with all wetted pump components.



CAUTION: Do not exceed 82°C (180°F) air inlet temperature.



CAUTION: Pumps should be thoroughly flushed before installing into process lines.



CAUTION: Always wear safety glasses when operating pump. If diaphragm rupture occurs, material being pumped may be forced out air exhaust.

CAUTION: Before any maintenance or repair is attempted, the compressed air line to the pump should be disconnected and all air pressure allowed to bleed from pump. Disconnect all intake, discharge and air lines. Drain the pump by turning it upside down and allowing any fluid to flow into a suitable container.



CAUTION: Blow out air line for 10 to 20 seconds before attaching to pump to make sure all pipeline debris is clear. Use an in-line air filter. A 5µ (micron) air filter is recommended.

NOTE: When installing PTFE diaphragms, it is important to tighten outer pistons simultaneously (turning in opposite directions) to ensure a tight fit. (See torgue specifications.)

NOTE: Before starting disassembly, mark a line from each liquid chamber to its corresponding air chamber. This line will assist in proper alignment during reassembly.



CAUTION: Tighten all hardware prior to installation.

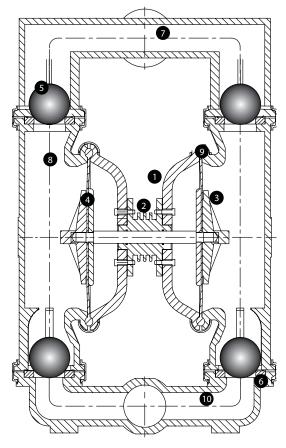
Pump Designation System N 🕑 M A D.

1 Air Distribution System 2 Liquid Port Size 3 Wetted Parts 7,8 Diaphragms & Valve Balls 9 Valve Seats 11 Fittings 12 Connections 13 1 N Nomad 07 07mm/25" A Aluminum BN Bua - N/ Nitrile A Aluminum N NPT C Clamped 1 Trans-Flo 15 15mm/5" W Ductile ND Nordel/EPDM S Stainless Steel B BSP B Bolted 16 Gold 25 25mm/1" S Stainless Steel NE Neoprene BN Buan - N/Nitrile Tc Tri-Clamp 17 Dran-Flo 40 40mm/1.5" P Polypropylene TF PTFE (with Neoprene back-up) NE Neoprene FL Flanged 19 Dura-Flo 50 Somm/2" 4 Air Chambers VT Viton/FKM ND Nordel/EPDM FG Hytrel 100 100m/4" W Ductile SN Santoprene* -UFI FG Hyt	
N Nomad O7 O7mm/25" A Auminum BN Buna - N / Nitrile A Aluminum N N PT C C amped T Trans-Flo 15 15mm/.5" W Ductile ND Nordel/EPDM S Stainless Steel B BSP B Boltd TG Gold 25 25mm/1" S Stainless Steel NE Neoprene BN Buna - N/Nitrile TC Tri-Clamp PF Pwr-Flo 40 40mm/1.5" P Polypropylene TF PTFE (with Neoprene back-up) NE Neoprene FL Flanged DF Dura-Flo 50 50mm/2" 4 Air Chambers VT Viton/FKM ND Nordel/EPDM DF Dura-Flo 50 50mm/2" 4 Aluminum FG Hytel* VT Viton ND Nordel/EPDM DF Dura-Flo 50 50mm/2" A Aluminum FG Hytel* VT Viton 0 1000m/4" W Ductile SN <t< th=""><th>Air Distribution System</th></t<>	Air Distribution System
TGGold2525mm/1"SStainless SteelNENeopreneBNBuna - N/NitrileTCTri-ClampPFPwr-Flo4040mm/1.5"PPolypopyleneTFPTFE (with Neoprene back-up)NENeopreneFLFlangedDFDura-Flo5050mm/2"4Air ChambersVTViton/FKMNDNordel/EPDMV8080mm/3"AAluminumFGHytel®VTVitonND100100mm/4"WDuctileSNSantoprene®-UFIFGHytelVNild SteelTFFPTFE-UFIPPolypropylenePPolypropyleneTGNGarlock®-NE0 BACKEDKKynar50Center BlockTGGarlock®-EPDM BACKEDPUPolyurethane	
PF Pwr-Flo 40 40mm/1.5" P Polypropylene TF PTFE (with Neoprene back-up) NE Neoprene FL Flanged DF Dura-Flo 50 50mm/2" 4 Air Chambers VT Viton/FKM ND Nordel/EPDM V 80 80mm/3" A Aluminum FG Hytrel® VT Viton 100 100mm/4" W Ductile SN Santoprene® - UFI FG Hytrel V Mild Steel TFF PTFE - UFI FG Hytrel P Polypropylene TGN Garlock® - NED BACKED K Kynar	Trans-Flo
DF Dura-Flo 50 50mm/2" 4 Air Chambers VT Viton/FKM ND Nordel/EPDM 80 80mm/3" A Aluminum FG Hytrel® VT Viton 100 100mm/4" W Ductile SN Santoprene® SP Santoprene S Stainless Steel SNF Santoprene®-UFI FG Hytrel W Mild Steel TFF PTFE - UFI P Polypropylene P Polypropylene TGN Garlock® - NEO BACKED K Kynar	6 Gold
No No No No 80 80mm/3" A Aluminum FG Hytrel® VT Viton 100 100mm/4" W Ductile SN Santoprene® SP Santoprene V 100 100mm/4" W Ductile SN Santoprene® SP Santoprene V 100 100mm/4" W Ductile SN Santoprene® SP Santoprene V S Stainless Steel SN Santoprene® FG Hytrel W Mild Steel TFF PTFE - UFI P Polypropylene P Polypropylene TGN Garlock® - NEO BACKED K Kynar 5 Center Block TGE Garlock® - EPDM BACKED PU Polyurethane	Pwr-Flo
100100mm/4"WDuctileSNSantoprene®SPSantoprene100100mm/4"WDuctileSNSantoprene®SPSantoprene100SStainless SteelSNFSantoprene®FGHytrel100Mild SteelTFFPTFE - UFIPPolypropylene100PolypropyleneTGNGarlock® - NEO BACKEDKKynar100Center BlockTGEGarlock® - EPDM BACKEDPUPolyurethane	Dura-Flo
S Stainless Steel SNF Santoprene® - UFI FG Hytrel W Mild Steel TFF PTFE - UFI P Polypropylene P Polypropylene TGN Garlock® - NEO BACKED K Kynar 5 Center Block TGE Garlock® - EPDM BACKED PU Polyurethane	
WMild SteelTFFPFF - UFIPPolypropylenePPolypropyleneTGNGarlock® - NEO BACKEDKKynar5Center BlockTGEGarlock® - EPDM BACKEDPUPolyurethane	
P Polypropylene TGN Garlock® - NEO BACKED K Kynar 5 Center Block TGE Garlock® - EPDM BACKED PU Polyurethane	
5 Center Block TGE Garlock® - EPDM BACKED PU Polyurethane	
A Aluminum TGV Garlock® - Viton BACKED MTF Mild Steel	
S Stainless Steel PU Polyurethane 10 O-Ring	
P Polypropylene FGF Hytrel UFI BN Buna - N/Nitrile	
6 Air Valve PUF Polyurethane UFI NE Neoprene	
B Brass ND Nordel/EPDM	
P Polypropylene VT Viton	
A Aluminum TF PTFE	
S Stainless Steel PU Polyurethane	
SN Santoprene	
PTV Viton Encap.	
NTG 50 / AAAB / TF / TF / ATF / N / C / X	
$\begin{array}{c} 1 \\ 1 \\ 2 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 6 \\ 7 \\ 8 \\ 9 \\ 10 \\ 11 \\ 12 \\ 13 \\ 11 \\ 12 \\ 13 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 11 \\ 12 \\ 13 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$	
1 Air Distribution System 2 Liquid Port Size 3 Wetted Parts 7,8 Diaphragms & Valve Balls 9 Valve Seats 11 Fittings 12 Connections 13 /	Air Distribution System
N Nomad 50 50mm/2" A Aluminum TF PTFE (with Buna back-up) A Aluminum N NPT C Clamped	Nomad
Trans-Flo 4 Air Chambers 10 0-Ring	Trans-Flo
TG Gold A Aluminum TF PTFE	Gold
PF Pwr-Flo 5 Center Block	Pwr-Flo
DF Dura-Flo A Aluminum	Dura-Flo
6 Air Valve	LIEKORP
B Brass	
B Brass	

3

How It Works - Pump

The NOMAD diaphragm pump is an air-operated, positive displacement, self-priming pump. These drawings show flow pattern through the pump upon its initial stroke. It is assumed the pump has no fluid in it prior to its initial stroke.



1. Air Chamber

The air chamber is the chamber that houses the air which powers the diaphragms.

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2. Air Distribution System

The air distribution system is the heart of the pump. The air distribution system is the mechanism that shifts the pump in order to create suction and discharge strokes.

3. Lock Nut (Outer Diaphragm Piston)

The outer diaphragm pistons provide a means to connect the diaphragms to the reciprocating common shaft and to seal the liquid side from the air side of the diaphragm.

4. Holding plate (Inner Diaphragm Piston)

The inner piston is located on the air side of the pump and does not come into contact with the process fluid.

5. Check Valve Ball

NOMAD air-operated pumps use suction and discharge check valves to produce directional flow of process fluid in the liquid chamber. The check valve balls seal and release on the check valve seats allowing for discharge and suction of process fluid to occur.

6. Check Valve Seat

The removable seats provide the ball valves a site to check.

7. Discharge Manifold

Process fluid exits the pump from the discharge port located on the discharge manifold at the top of the pump.

8. Liquid Chamber

The liquid chamber is filled with the process fluid during the suction stroke and is emptied during the discharge stroke. It is separated from the compressed air by the diaphragms.

9. Diaphragm

The diaphragm membrane provides for separation of the process fluid and the compressed air power source. To perform adequately, diaphragms should be of sufficient thickness and of appropriate material to prevent degradation or permeation in specific process fluid applications. TABLA offers a variety of diaphragm materials for your specific application requirements.

10. Inlet Manifold

Process fluid enters the pump from the intake port located on the inlet manifold at the bottom of the pump.

Troubleshooting

Pump will not run or runs slowly.

- 1. Ensure that the air inlet pressure is at least 0.4 Bar (5 psig) above start up pressure and that the differential pressure (the difference between air inlet and liquid discharge pressures) is not less than 0.7 Bar (10 psig).
- 2. Check air inlet filter for debris
- 3. Check for extreme air leakage (blow by) which would indicate worn seals/bores in the air valve.
- 4. Disassemble pump and check for obstructions in the air passageway.
- 5. Check for sticking ball check valves. If material being pumped is not compatible with pump, elastomer, swelling may occur. Replace ball check valves and seals with proper elastomers. Also, as the check valve balls wear out, they become smaller and can become stuck in the seats. In this case, replace balls and seats.
- 6. Check for broken inner piston which will cause the air valve spool to be unable to shift.
- 7. Remove plug from pilot spool exhaust.

Pump runs but little or no product flows.

- 1. Check for pump cavitation; slow pump speed down to allow thick material to flow into liquid chambers.
- 2. Verify that vacuum required to lift is not greater than the vapor pressure of the material being pumped (cavitation).
- 3. Check for sticking ball valves. If material being pumped is not compatible with pump elastomers, swelling may occur. Replace ball check valves and seats with proper elastomers. Also, as the check valve balls wear out, they become smaller and can become stuck in the seats. In this case, replace balls and seats.

Pump air valve freezes.

 Check for excessive moisture in compressed air. Either install a dryer or hot air generator for compressed air. Alternatively, a coalescing filter may be used to remove the water from the compressed air in some applications.

Air bubbles in pump discharge.

- 1. Check for ruptured diaphragm.
- 2. Check tightness of outer pistons.
- 3. Check tightness of fasteners and integrity of o-rings and seals, especially at intake manifold.
- 4. Ensure pipe connections are airtight

Product comes out air exhaust.

- 1. Check for diaphragm rupture.
- 2. Check tightness of outer pistons to shaft.

NOMAD Suggested Installation

INSTALLATION:

- Suction pipe equal to/greater than pump diameter (same for discharge)
- Tighten all fasteners before use
- Suction connection should be non-collapsible

AIR SUPPLY:

- Air line size must be large enough to create desired volume (see performance curve section)
- Do not exceed 8.6 BAR (125 PSIG)
- For best results, use 5 micron air filter
- Use lubricator with 5 wt. oil

PIPING:

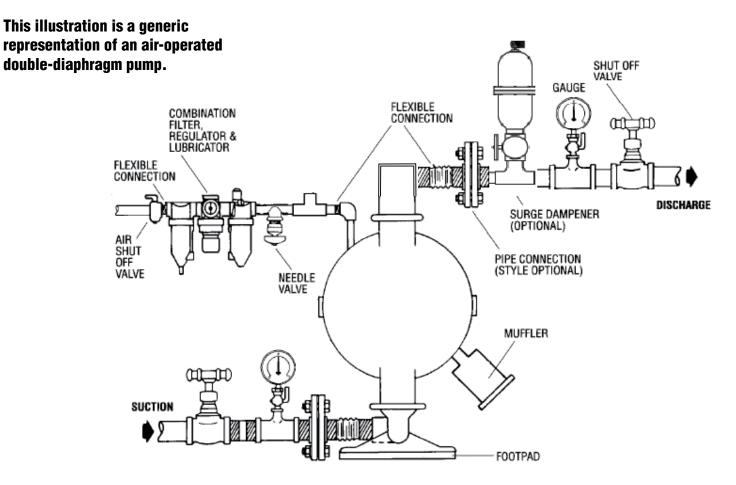
- · Remove as many turns/elbows as possible
- Piping should be supported
- Flexible hose will avoid stress on pump fitting
- Gate Valve should be used in applications involving flooded suction
- In positive suction head conditions, limit inlet pressure to 0.5 - 0.7 BAR (7 - 10 PSI).
 Premature diaphragm failure will take place above the parameters.
- ALL NOMAD PUMPS ARE CAPABLE OF PASSING SOLIDS. A STRAINER SHOULD BE USED ON THE PUMP INTAKE TO ENSURE THAT THE PUMP'S RATED SOLIDS CAPACITY IS NOT EXCEEDED.
- CAUTION: DO NOT EXCEED 8.6 BAR (125 PSIG) AIR SUPPLY PRESSURE.



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Suggested Installation

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NOTE: In the event of a power failure, the shut off valve should be closed, if the restarting of the pump is not desirable once power is regained.

AIR OPERATED PUMPS: To stop the pump from operating in an emergency situation, simply shut off valve (user supplied) installed

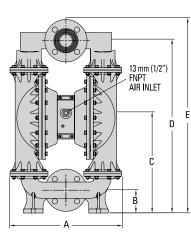
in the air supply line. A properly functioning valve will stop the air supply to the pump, therefore stopping output. The shut off valve should be located far enough away from the pumping equipment such that it can be reached safely in an emergency situation.

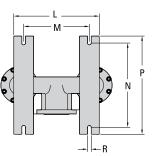


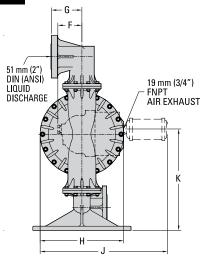
NOMAD

Dimensional Drawings

NPF 50 BOLTED Aluminum



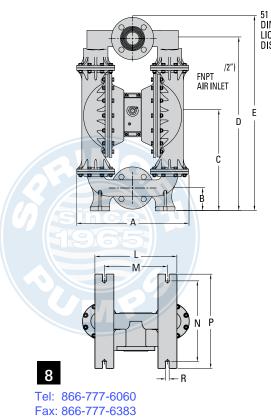


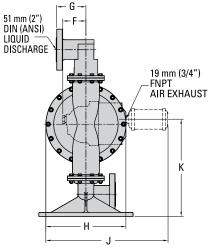


DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
Α	439	173
B8	93	.5
C	396	156
D	676	26.6
E	760	299
F9	43	.7
G	117	4.6
Н	325	128
J	493	19.4
К	396	156
L	330	13.0
М	254	10.0
N	325	128
Р	379	149
R1	50	.6

NPF 50 BOLTED Stainless Steel





DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
Α	434	17.1
B8	93	.5
С	389	153
D	678	26.7
E	760	299
F9	43	.7
G	117	4.6
Н	325	128
J	493	19.4
K	391	15.4
L	330	13.0
М	254	10.0
N	325	128
Р	379	149
R1	50	.6

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Performance

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NPF50 RUBBER TPE-FITTED

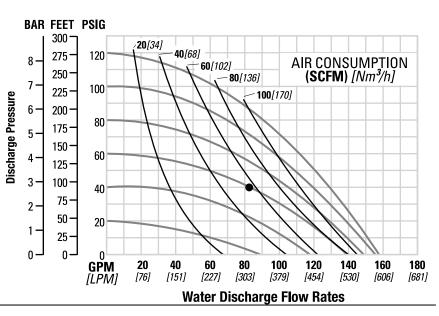
Height Width	759 m m 439 m m	. ,
Depth	325 m m	(12.8″)
ShipWeightAlumin	um 34 kg	(75 lb)
316 Stainless Steel 1	00 kg(220 lb)
Air In let	13 m m	(1/2″)
Inlet	51 m	m (2″)
Outlet	51 m	m (2″)
Suction Lift	5.9m Dry	r (22.7′)

	8 <i>6</i> m	W et	(28.4′)
D isp . Per S troke	2.8 L	(0.73	3 gal) ¹
Max.Flow Rate	597 lpm	(158	gpm)
Max.Size Solids	6.4	m m	(1/4")

¹D isp lacem entper stroke was calculated at 4.8 bar (70 psig) air inlet pressure againsta 21 bar (30 psig) head pressure.

Example: To pump 310 lpm (82 gpm) against a discharge head of 2.7 bar (40 psig) requires 41 bar (60 psig) and 92 Nm ^{3}h (54 scfm)air consum ption.

Caution:Do not exceed 8.6 bar (125 psig) air supply pressure.



Flow rates indicated on chartwere determ ined by pum ping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pumps performance curve.

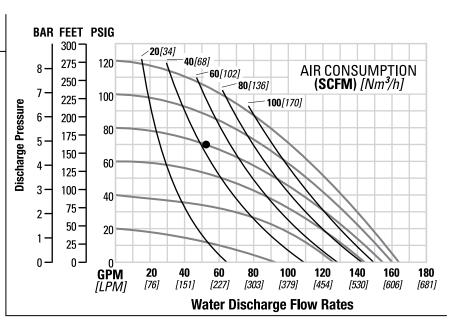
NPF50 PTFE-FITTED

Height	759 m m	(29.9″)
Width	439 m m	(17.3″)
Depth	325 m m	(12.8″)
Ship Weight Alum in	um 34 kg	r(75∎b)
316 Stainless Steel 1	00 kg (220 lb)



Example: To pump 197 lpm (52 gpm) against a discharge head of 4.8 bar (70 psig) requires 5.5 bar (80 psig) and 75 Nm $^3/h$ (44 scfm) air consumption.

Caution: Do not exceed 8.6 bar (125 psig) air supply pressure.



Flow rates indicated on chartwere determ ined by pum ping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pumps performance curve.

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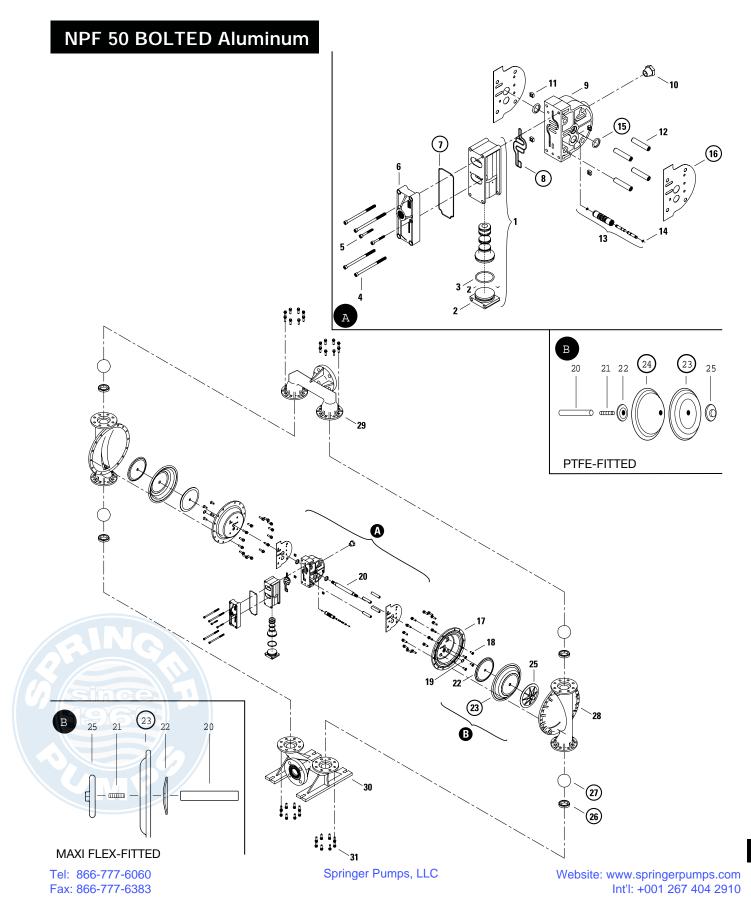
NOMAD Exploded View & Parts Listing

NPF 50 BOLTED Aluminum

No.	Part Description	Qty.	Rubber-Fitted	PTFE-Fitted
1	Air Valve Assembly	1	*N04-2000-20-700	*N04-2000-20-700
2	O-Ring (-225), Endcap (1.859 x .139)	1	N04-2390-52-700	N04-2390-52-700
3	End Cap	1	N04-2330-20-700	N04-2330-20-700
4	Screw, HCH, Air Valve (1/4"-20x 4-1/2")	4	N01-6000-03	N01-6000-03
5	Screw, SCH, Air Valve (10-16 x 1 3/4")	2	N04-6351-03	N04-6351-03
6	Muffler Plate	1	N04-3180-20-700	N04-3180-20-700
7	Gasket, Muffler Plate	1	N04-3500-52-700	N04-3500-52-700
8	Gasket, Air Valve	1	N04-2600-52-700	N04-2600-52-700
9	Center Block Assembly	1	N04-3110-20	N04-3110-20
10	Bushing, Reducer	1	N04-6950-20-700	N04-6950-20-700
11	Nut, Square (1/4" 20)	4	N00-6505-03	N00-6505-03
12	Sleeve, Threaded	4	N04-7710-08	N04-7710-08
13	Pilot Sleeve Assembly	1	N04-3880-99	N04-3880-99
14	Pilot Spool Retaining O-Ring	2	N04-2650-49-700	N04-2650-49-700
15	Shaft Seal	2	N08-3210-55-225	N08-3210-55-225
16	Gasket, Center Block	2	N04-3526-52	N04-3526-52
17	Air Chamber, Pro-Flo®	2	N08-3651-01	N08-3651-01
18	Screw, HSFHS (3/8" -16 x 1")	8	N71-6250-03	N71-6250-03
19	Retaining Ring	2	N04-3890-03	N04-3890-03
20	Shaft	1	N08-3812-03	N08-3840-09
	Shaft-Maxi-Flex	1	N/A	N08-3841-03
21	Shaft Stud	2	N/A	N08-6152-08
	Shaft Stud-Maxi-Flex	2	N/A	N08-6150-01
22	Inner Piston	2	N08-3700-01	N08-3750-01
	Inner Piston-Maxi-Flex	2	N/A	N08-3761-01
23	Diaphragm	2	*N08-1010-51	*N08-1010-55-42
24	Diaphragm, Back-Up	2	N/A	*N08-1060-51
25	Outer Piston	2	N08-4550-01	N08-4600-01
	Outer Piston-Maxi-Flex	2	N/A	N04-4552-01
26	Seat, Valve	4	*N08-1120-51	*N08-1121-01
27	Ball, Valve	4	*N08-1080-51	*N08-1080-55
0	Valve Seat, O-Ring (Not Shown)	4	*N/A	*N08-1200-55
28	Liquid Chamber	2	N08-5000-01-42	N08-5000-01-42
29	Discharge Manifold	1	N08-5020-01-42	N08-5020-01-42
30	Inlet Manifold	1	N08-5080-01-42	N08-5080-01-42
31	Screw, HHCS (3/8"-16x 1-1/4")	60	N08-6185-08	N08-6185-08
	Muffler (Not Shown)	1	N08-3510-99	N08-3510-99

*Consult Elastomer Options

Exploded View & Parts Listing NOMAD



11

NOMAD Exploded View & Parts Listing

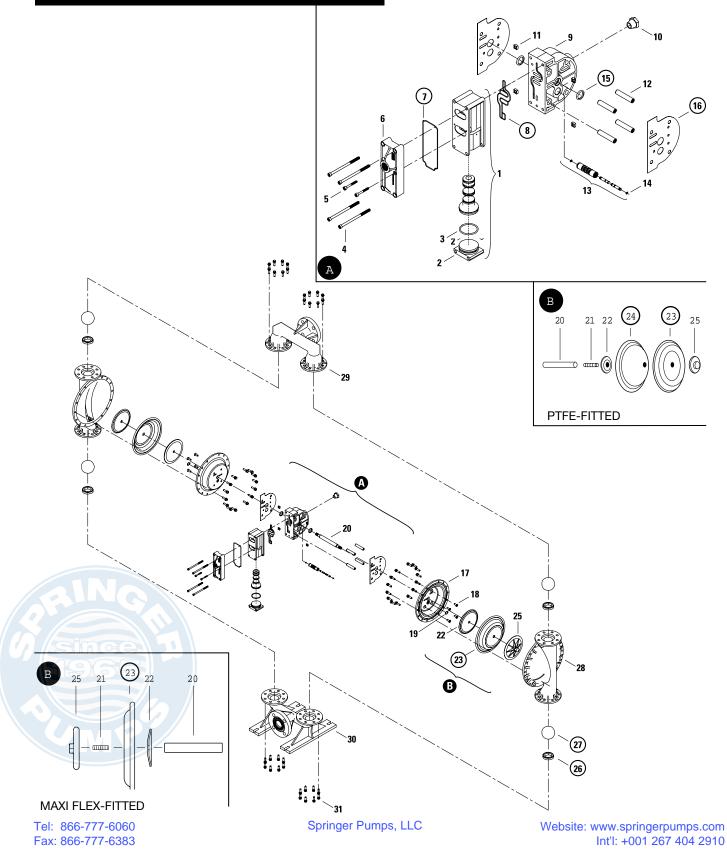
NPF 50 BOLTED Stainless Steel

No.	Part Description	Qty.	Rubber-Fitted	PTFE-Fitted
1	Air Valve Assembly	1	N04-2000-20-700	N04-2000-20-700
2	O-Ring (-225), Endcap (1.859 x .139)	1	N04-2390-52-700	N04-2390-52-700
3	End Cap	1	N04-2330-20-700	N04-2330-20-700
4	Screw, HCH, Air Valve (1/4"-20x 4-1/2")	4	N01-6000-03	N01-6000-03
5	Screw, SCH, Air Valve (10-16 x 1 3/4")	2	N04-6351-03	N04-6351-03
6	Muffler Plate	1	N04-3180-20-700	N04-3180-20-700
7	Gasket, Muffler Plate	1	N04-3500-52-700	N04-3500-52-700
8	Gasket, Air Valve	1	N04-2600-52-700	N04-2600-52-700
9	Center Block Assembly	1	N04-3110-20	N04-3110-20
10	Bushing, Reducer	1	N04-6950-20-700	N04-6950-20-700
11	Nut, Square (1/4" 20)	4	N00-6505-03	N00-6505-03
12	Sleeve, Threaded	4	N04-7710-08	N04-7710-08
13	Pilot Sleeve Assembly	1	N04-3880-99	N04-3880-99
14	Pilot Spool Retaining O-Ring	2	N04-2650-49-700	N04-2650-49-700
15	Shaft Seal	2	N08-3210-55-225	N08-3210-55-225
16	Gasket, Center Block	2	N04-3526-52	N04-3526-52
17	Air Chamber, Pro-Flo®	2	N08-3681-01	N08-3681-01
18	Screw, HSFHS (3/8" - 16 x 1")	8	N71-6250-03	N71-6250-08
19	Retaining Ring	2	N04-3890-03	N04-3890-03
20	Shaft	1	N08-3812-03	N08-3840-09
	Shaft-Maxi-Flex	1	N/A	N08-3814-03
21	Shaft Stud	2	N/A	N08-6152-08
	Shaft Stud-Maxi-Flex	2	N/A	N08-6150-08
22	Inner Piston	2	N08-3700-01	N08-3750-01
	Inner Piston-Maxi-Flex	2	N/A	N08-3761-01
23	Diaphragm	2	*N08-1010-51	*N08-1010-55-42
24	Diaphragm, Back-Up	2	*N/A	*N08-1060-51
25	Outer Piston	2	N08-4550-03	N08-4600-03
	Outer Piston-Maxi-Flex	2	*N/A	N04-4550-03
26	Seat, Valve	4	*N08-1120-51	*N08-1121-01
27	Ball, Valve	4	*N08-1080-51	*N08-1080-55
	Valve Seat, O-Ring (Not Shown)	4	*N/A	*N08-1200-55
28	Liquid Chamber	2	N08-5000-03-42	N08-5000-03-42
29	Discharge Manifold	1	N08-5021-03-42	N08-5021-03-42
30 3	Inlet Manifold	1	N08-5080-03-42	N08-5080-03-42
31	Screw, HHCS (3/8"-16x 1-1/4")	60	N08-6180-03-42	N08-6180-03-42
	Muffler (Not Shown)	1	N08-3510-99	N08-3510-99

*Consult Elastomer Options

Exploded View & Parts Listing NOMAD

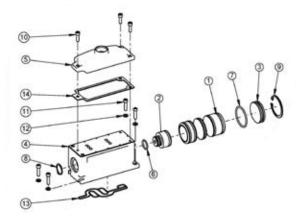
NPF 50 BOLTED Stainless Steel

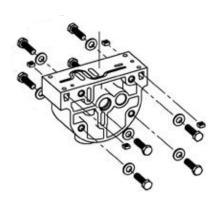


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NOMAD Exploded View & Parts Listing

2" CENTRE PIECE WITH AIR VALVE ASSEMBLY





No.	Part Description	Qty.	Part Number	
1	SPOOL	1	N04-2251-99	No
2	END PLUG	1	N04-2261-99	No
3	END CAP	1	N04-2339-23	No
4	AIR VALVE BODY	1	N04-2000-01-700	Yes
5	MUFFLER PLATE, ALUMINUM, GUARD-EX	1	N04-3180-01-700	Yes
6	O RING	1	N04-2399-52	No
7	O RING	1	N04-2397-52	No
8	EXTERNAL CIRCLIP	1	N04-2658-03	No
9	INTERNAL CIRCLIP	1	N04-2659-03	No
10	ALLEN BOLT	3	N04-6600-08	Yes
11	ALLEN BOLT	4	N04-6006-08	Yes
12	PLAIN WASHER	4	N04-6656-08	Yes
13	AIR VALVE GASKET, BUNA, PWR-FLO	1	N04-2600-52-700	Yes
34	MUFFLER PLATE GASKET, BUNA GUARD-EX	1	N04-3504-52-700	Yes
15	AIR VALVE AND CENTER BLOCK ASSEMBLY COMPLETE	1	N04-9400-99-700	Yes
Α	AIR VALVE, ALUMINUM, GUARD-EX, PWR-FLO	1	N04-2000-01-700	Yes
	CENTER BLOCK, ALUMINUM, GUARD-EX PWR-FLO	1	N04-3110-01	Yes

14 Tel: 866-777-6060 Fax: 866-777-6383



1645 W. Park Ave., Suite 200 Redlands, CA USA 92373 (909) 798-9532





Tel: 866-777-6060 Fax: 866-777-6383 Springer Pumps, LLC

Website: www.springerpumps.com Int'l: +001 267 404 2910