



Non- Pressurized Base (NPB)

New NP Series Product Features

- NP Base (NPB) designed to be a cost competitive model
- Intended for customers that use external flush valves or internal headers
- Provides many of the same features as the standard NP Series
- Includes more features than competitors' non pressureized flow center



NPB2A



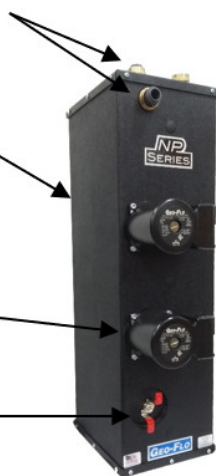
NPB1A

Front and top heat pump connections, swivel union

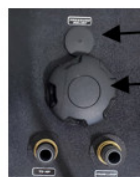
Rust-proof and scratch resistant ABS cabinet

Grundfos 3-speed pumps

Brass isolation valves



NPB2A



Pressure relief valve
Vacuum relief cap

Brass isolation valves for discharge and return included



Anti-tip brackets
1" plug for unused port



NPB1A

Field upgradable to two-pump

NP Series Comparison

NP and NP Plus (NPP)



- ✓ Built-in 3-way flushing/isolation valves¹
- ✓ Drain valve
- ✓ Shut-off valves on tank discharge and return
- ✓ Double O-ring connections²
- ✓ Top or side connections³
- ✓ Rust-proof, lightweight cabinet
- ✓ Pressure/vacuum relief⁴
- ✓ Field upgradable from 1 pump to 2
- ✓ Condensation protection on valves⁵
- ✓ Variable speed option
- ✓ No-wrench lid removal

NP Base (NPB)



- X
- X
- ✓
- X
- ✓
- ✓
- ✓
- ✓
- X
- X
- ✓

1. One 3-way valves built into NP Series. NPP includes an additional 3-way valve to allow ground loop isolation and flushing.
2. NPB includes 1" swivel connections. Interior connections are double O-ring.
3. NPB has top and side (front) on the pump discharge side only.
4. All NP products tested to 13 PSIG prior to shipment.
5. Geo-Flo recommends that the NPB isolation valve handles be removed for operation to prevent sweating.

NPB VS The Competition

NP Base (NPB)



- X Built-in 3-way flushing/isolation valves
- X Drain valve
- ✓ Shut-off valves on tank discharge and return
- X Double O-ring connections¹
- ✓ Top or side connections²
- ✓ Rust-proof, lightweight cabinet
- ✓ Pressure/vacuum relief³
- ✓ Field upgradable from 1 pump to 2
- X Condensation protection on valves⁴
- X Variable speed option
- ✓ No-wrench lid removal

Competitors

- | | 1 | 2 |
|--|---|---|
| Built-in 3-way flushing/isolation valves | X | X |
| Drain valve | X | X |
| Shut-off valves on tank discharge and return | X | X |
| Double O-ring connections ¹ | X | X |
| Top or side connections ² | X | X |
| Rust-proof, lightweight cabinet | X | X |
| Pressure/vacuum relief ³ | X | X |
| Field upgradable from 1 pump to 2 | ✓ | ? |
| Condensation protection on valves ⁴ | X | X |
| Variable speed option | X | X |
| No-wrench lid removal | X | ✓ |



1. NPB includes 1" swivel connections. Interior connections are double O-ring.
2. NPB has top and side (front) on the pump discharge side only.
3. All NP products tested to 13 PSIG prior to shipment. Geo-Flo testing indicates Competitor 1 will not hold more than 5 PSIG; however, manufacturer of the system should validate this. Geo-Flo testing indicates Competitor 2 cap will not seal for pressure or vacuum; manufacturer markets this as "atmospheric" system seemingly validating these tests.
4. Geo-Flo recommends that the NPB isolation valve handles be removed for operation to prevent sweating.

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