



# DOME PORT TRAINING

NPD Launch Dome Port Tanks

**INTERNAL USE ONLY – DO NOT DISTRIBUTE**

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4/6/2020

# Dome Port Tank

- What it is:
  - A fill port in our tank that is an improvement upon an existing design
  - used primarily on tank sizes 10X44, 10X54, 12X52, 13X54
- Where it's used:
  - Calcite filters / acid neutralizers water treatment application
- Why it's used:
  - Fill port in the tank. Allows the media to be replenished without removing plumbing
- Who makes these tanks
  - Pentair, Clack, Wave Cyber, Enpress

**Load media into tank without disturbing the plumbing**

# Structural<sup>®</sup> Dome Port Tank Series

For water treatment professionals who encounter water with lower than acceptable pH levels and need to neutralize acidity, our **Structural<sup>®</sup> Dome Port Tank Series**

makes it easier to get the job done fast and safely, because of the new and improved dome port assembly

We do this by creating a large 1.25” NPSM dome port with a mating multi-thread plug that includes an integrated pressure relief vent.

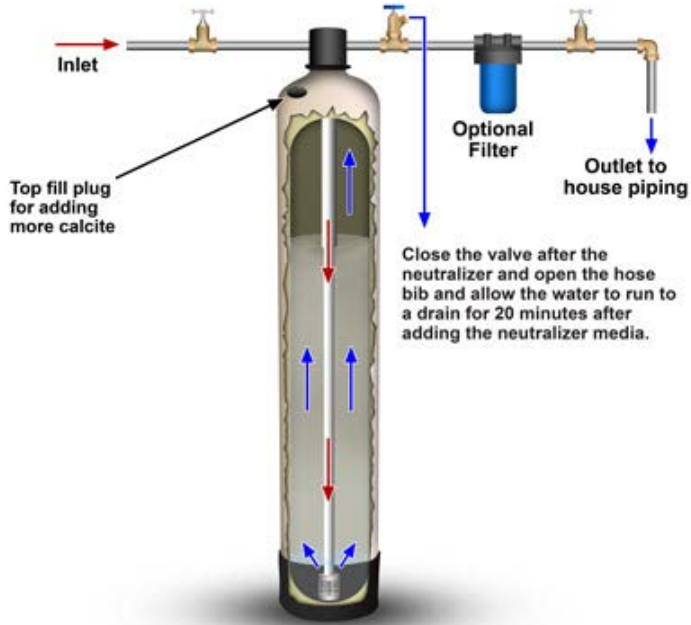
And is demonstrated by our rigorous pressure test standard, with a dome port that passes a 250,000 pressure cycle test, resulting in a 4X\* operating pressure safety factor (operating pressure of 150 psi)

And this ties to our core brand vision by producing high quality, high performance tanks that stand up to the toughest local water treatment challenges.

\*Tanks have operating pressure of 150 psi, but we design them to rupture above 600 psi.

**Strong value proposition – INTERNAL USE ONLY**

# Installation / Application Photos



Used with a variety of valves

# Current Design and Competitive Product



CURRENT DESIGN



COMPETITIVE DESIGN  
WAVE CYBER



COMPETITIVE DESIGN ENPRESS



COMPETITIVE DESIGN Clack

**Similar products offered by competitors**

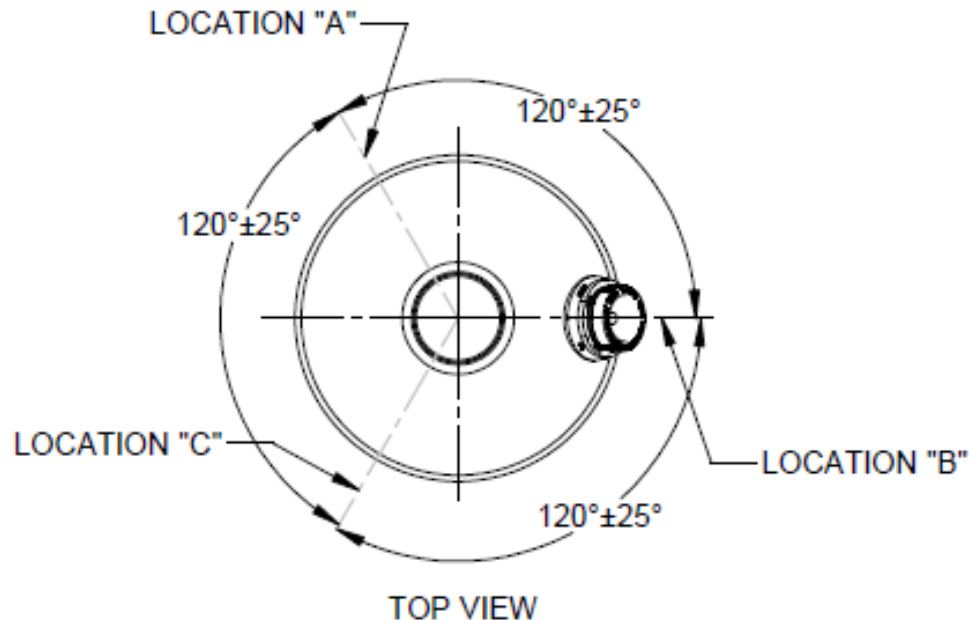
# New Design



**1.25" threaded plug with vent relief**

# Dome Port Location Reference Has Not Changed

| A-Location |  | B-Location       |  | C-Location |
|------------|--|------------------|--|------------|
| 5600       |  | 2510             |  | 2500       |
| 6600       |  | 9100 2ND ADAPTER |  | 5600       |
| 6700       |  |                  |  | 6600       |
| 7000       |  |                  |  | 6700       |
| 5800       |  |                  |  | 9100       |
|            |  |                  |  | 5800       |
|            |  |                  |  |            |
|            |  |                  |  |            |



**3 port locations available to fit a variety of valves**

# New Part Numbers

| Part#             | Description   | List Price |
|-------------------|---|------------|
| 34821-10010103-30 | 1044 PG 2.5"T UI 1.25"NPSM "A"ALM COMP BASE STD LBL BULK PK | \$ 158.73  |
| 34821-03010103-30 | 1044 PG 2.5"T UI 1.25"NPSM "A"BLK COMP BASE STD LBL BULK PK | \$ 158.73  |
| 34821-01010103-30 | 1044 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD LBL BULK    | \$ 158.73  |
| 34821-01010101-30 | 1044 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD NAT SINGLE  | \$ 166.73  |
| 34822-10010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "A"ALM COMP BASE STD LBL BULK    | \$ 172.07  |
| 34822-03010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "A"BLK COMP BASE STD LBL BULK    | \$ 172.07  |
| 34822-01010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD LBL BULK    | \$ 172.07  |
| 34822-01010101-30 | 1054 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD NAT SINGLE  | \$ 180.07  |
| 34828-10010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "B"ALM COMP BASE STD LBL BULK    | \$ 172.07  |
| 34828-03010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "B"BLK COMP BASE STD LBL BULK    | \$ 172.07  |
| 34828-01010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "B"NAT COMP BASE STD LBL BULK    | \$ 172.07  |
| 34833-01010103-30 | 1054 PG 2.5"T UI 1.25"NPSM "C"NAT COMP BASE STD LBL BULK    | \$ 172.07  |
| 34824-01010103-30 | 1252 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD LBL BULK    | \$ 246.02  |
| 34824-01010101-30 | 1252 PG 2.5"T UI 1.25"NPSM "A"NAT COMP BASE STD NAT SINGLE  | \$ 254.02  |
| 34835-10010103-30 | 1252 PG 2.5"T UI 1.25"NPSM "C"ALM COMP BASE STD LBL BULK    | \$ 246.02  |
| 34825-10010103-30 | 1354 PG 2.5"T UI 1.25"NPSM "A"ALM COMP BASE STD LBL BULK    | \$ 285.72  |
| 34825-02010103-30 | 1354 PG 2.5"T UI 1.25"NPSM "A"BLU COMP BASE STD LBL BULK    | \$ 285.72  |

## Service Part #s

|       |                          |        |
|-------|--------------------------|--------|
| 21774 | PLUG, 1.25"-11.5 NPSM DH | \$7.25 |
| 21770 | O-RING, FITTING PLUG, DH | \$1.25 |
| TBD   | Dome Port Fill Funnel    |        |



# Launch Support

- Launch announcement communication
  - Internal 5/1/20
  - Distributors 5/5/20
  - Dealers 5/12/20
- Spec sheet (on BTC Hub)
  - Spanish and French Canadian will follow
- Residential polyglass tanks webpage
- Partner Center news block

**PENTAIR**

## POLYGLASS VESSELS

RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

MADE IN THE USA

Pentair Polyglass Vessels have been the industry standard for quality and performance for over 30 years. Featuring a one-piece, seamless high density polyethylene liner and an encapsulated, leak-free engineered polymer liner, structural Polyglass Vessels are designed to provide you with years of worry-free performance.

**FEATURES - BENEFITS**

- For residential and light commercial water softener/filtration applications
- 30-year warranty for 4" - 12" vessels
- 5-year warranty for 14" - 30" vessels
- Unmatched strength and chemical resistance
- 1.20" Dia. Port opening available in select sizes for reworking applications.

**MATERIAL OF CONSTRUCTION**

- Inner shell of high density polyethylene
- Threaded inlet in various sizes: 3/8", 1/2", 3/4"

**APPLICATIONS**

- Residential light commercial softening
- Residential light commercial filtration
- Portable exchange tanks

**OPERATING PARAMETERS**

- Maximum operating pressure - 100 psi
- Maximum operating temperature - 102°F

**PENTAIR DESIGN PARAMETERS**

- 4" Dia. Ports - 4:1
- Minimum burst at 800 psi
- Tested to 250,000 cycles without leakage

**NOTJANSI STD. 4.4 DESIGN PARAMETERS**

- Safety factor - 4:1
- Minimum burst at 800 psi
- Tested to 100,000 cycles without leakage

**COLOR OPTIONS**

- BL - Jetted
- DL - Blue
- SR - Stack
- CR - Gray
- NL - Natural

| Capacity (Gallons/Fit) | Footprint |
|------------------------|-----------|
| 10.0                   | 1.0       |
| 14.0                   | 1.2       |
| 18.0                   | 1.5       |
| 22.0                   | 1.8       |
| 26.0                   | 2.1       |
| 30.0                   | 2.4       |
| 34.0                   | 2.7       |
| 38.0                   | 3.0       |
| 42.0                   | 3.3       |
| 46.0                   | 3.6       |
| 50.0                   | 3.9       |
| 54.0                   | 4.2       |
| 58.0                   | 4.5       |
| 62.0                   | 4.8       |
| 66.0                   | 5.1       |
| 70.0                   | 5.4       |
| 74.0                   | 5.7       |
| 78.0                   | 6.0       |
| 82.0                   | 6.3       |
| 86.0                   | 6.6       |
| 90.0                   | 6.9       |
| 94.0                   | 7.2       |
| 98.0                   | 7.5       |
| 102.0                  | 7.8       |
| 106.0                  | 8.1       |
| 110.0                  | 8.4       |
| 114.0                  | 8.7       |
| 118.0                  | 9.0       |
| 122.0                  | 9.3       |
| 126.0                  | 9.6       |
| 130.0                  | 9.9       |
| 134.0                  | 10.2      |
| 138.0                  | 10.5      |
| 142.0                  | 10.8      |
| 146.0                  | 11.1      |
| 150.0                  | 11.4      |
| 154.0                  | 11.7      |
| 158.0                  | 12.0      |
| 162.0                  | 12.3      |
| 166.0                  | 12.6      |
| 170.0                  | 12.9      |
| 174.0                  | 13.2      |
| 178.0                  | 13.5      |
| 182.0                  | 13.8      |
| 186.0                  | 14.1      |
| 190.0                  | 14.4      |
| 194.0                  | 14.7      |
| 198.0                  | 15.0      |
| 202.0                  | 15.3      |
| 206.0                  | 15.6      |
| 210.0                  | 15.9      |
| 214.0                  | 16.2      |
| 218.0                  | 16.5      |
| 222.0                  | 16.8      |
| 226.0                  | 17.1      |
| 230.0                  | 17.4      |
| 234.0                  | 17.7      |
| 238.0                  | 18.0      |
| 242.0                  | 18.3      |
| 246.0                  | 18.6      |
| 250.0                  | 18.9      |
| 254.0                  | 19.2      |
| 258.0                  | 19.5      |
| 262.0                  | 19.8      |
| 266.0                  | 20.1      |
| 270.0                  | 20.4      |
| 274.0                  | 20.7      |
| 278.0                  | 21.0      |
| 282.0                  | 21.3      |
| 286.0                  | 21.6      |
| 290.0                  | 21.9      |
| 294.0                  | 22.2      |
| 298.0                  | 22.5      |
| 302.0                  | 22.8      |
| 306.0                  | 23.1      |
| 310.0                  | 23.4      |
| 314.0                  | 23.7      |
| 318.0                  | 24.0      |
| 322.0                  | 24.3      |
| 326.0                  | 24.6      |
| 330.0                  | 24.9      |
| 334.0                  | 25.2      |
| 338.0                  | 25.5      |
| 342.0                  | 25.8      |
| 346.0                  | 26.1      |
| 350.0                  | 26.4      |
| 354.0                  | 26.7      |
| 358.0                  | 27.0      |
| 362.0                  | 27.3      |
| 366.0                  | 27.6      |
| 370.0                  | 27.9      |
| 374.0                  | 28.2      |
| 378.0                  | 28.5      |
| 382.0                  | 28.8      |
| 386.0                  | 29.1      |
| 390.0                  | 29.4      |
| 394.0                  | 29.7      |
| 398.0                  | 30.0      |
| 402.0                  | 30.3      |
| 406.0                  | 30.6      |
| 410.0                  | 30.9      |
| 414.0                  | 31.2      |
| 418.0                  | 31.5      |
| 422.0                  | 31.8      |
| 426.0                  | 32.1      |
| 430.0                  | 32.4      |
| 434.0                  | 32.7      |
| 438.0                  | 33.0      |
| 442.0                  | 33.3      |
| 446.0                  | 33.6      |
| 450.0                  | 33.9      |
| 454.0                  | 34.2      |
| 458.0                  | 34.5      |
| 462.0                  | 34.8      |
| 466.0                  | 35.1      |
| 470.0                  | 35.4      |
| 474.0                  | 35.7      |
| 478.0                  | 36.0      |
| 482.0                  | 36.3      |
| 486.0                  | 36.6      |
| 490.0                  | 36.9      |
| 494.0                  | 37.2      |
| 498.0                  | 37.5      |
| 502.0                  | 37.8      |
| 506.0                  | 38.1      |
| 510.0                  | 38.4      |
| 514.0                  | 38.7      |
| 518.0                  | 39.0      |
| 522.0                  | 39.3      |
| 526.0                  | 39.6      |
| 530.0                  | 39.9      |
| 534.0                  | 40.2      |
| 538.0                  | 40.5      |
| 542.0                  | 40.8      |
| 546.0                  | 41.1      |
| 550.0                  | 41.4      |
| 554.0                  | 41.7      |
| 558.0                  | 42.0      |
| 562.0                  | 42.3      |
| 566.0                  | 42.6      |
| 570.0                  | 42.9      |
| 574.0                  | 43.2      |
| 578.0                  | 43.5      |
| 582.0                  | 43.8      |
| 586.0                  | 44.1      |
| 590.0                  | 44.4      |
| 594.0                  | 44.7      |
| 598.0                  | 45.0      |
| 602.0                  | 45.3      |
| 606.0                  | 45.6      |
| 610.0                  | 45.9      |
| 614.0                  | 46.2      |
| 618.0                  | 46.5      |
| 622.0                  | 46.8      |
| 626.0                  | 47.1      |
| 630.0                  | 47.4      |
| 634.0                  | 47.7      |
| 638.0                  | 48.0      |
| 642.0                  | 48.3      |
| 646.0                  | 48.6      |
| 650.0                  | 48.9      |
| 654.0                  | 49.2      |
| 658.0                  | 49.5      |
| 662.0                  | 49.8      |
| 666.0                  | 50.1      |
| 670.0                  | 50.4      |
| 674.0                  | 50.7      |
| 678.0                  | 51.0      |
| 682.0                  | 51.3      |
| 686.0                  | 51.6      |
| 690.0                  | 51.9      |
| 694.0                  | 52.2      |
| 698.0                  | 52.5      |
| 702.0                  | 52.8      |
| 706.0                  | 53.1      |
| 710.0                  | 53.4      |
| 714.0                  | 53.7      |
| 718.0                  | 54.0      |
| 722.0                  | 54.3      |
| 726.0                  | 54.6      |
| 730.0                  | 54.9      |
| 734.0                  | 55.2      |
| 738.0                  | 55.5      |
| 742.0                  | 55.8      |
| 746.0                  | 56.1      |
| 750.0                  | 56.4      |
| 754.0                  | 56.7      |
| 758.0                  | 57.0      |
| 762.0                  | 57.3      |
| 766.0                  | 57.6      |
| 770.0                  | 57.9      |
| 774.0                  | 58.2      |
| 778.0                  | 58.5      |
| 782.0                  | 58.8      |
| 786.0                  | 59.1      |
| 790.0                  | 59.4      |
| 794.0                  | 59.7      |
| 798.0                  | 60.0      |
| 802.0                  | 60.3      |
| 806.0                  | 60.6      |
| 810.0                  | 60.9      |
| 814.0                  | 61.2      |
| 818.0                  | 61.5      |
| 822.0                  | 61.8      |
| 826.0                  | 62.1      |
| 830.0                  | 62.4      |
| 834.0                  | 62.7      |
| 838.0                  | 63.0      |
| 842.0                  | 63.3      |
| 846.0                  | 63.6      |
| 850.0                  | 63.9      |
| 854.0                  | 64.2      |
| 858.0                  | 64.5      |
| 862.0                  | 64.8      |
| 866.0                  | 65.1      |
| 870.0                  | 65.4      |
| 874.0                  | 65.7      |
| 878.0                  | 66.0      |
| 882.0                  | 66.3      |
| 886.0                  | 66.6      |
| 890.0                  | 66.9      |
| 894.0                  | 67.2      |
| 898.0                  | 67.5      |
| 902.0                  | 67.8      |
| 906.0                  | 68.1      |
| 910.0                  | 68.4      |
| 914.0                  | 68.7      |
| 918.0                  | 69.0      |
| 922.0                  | 69.3      |
| 926.0                  | 69.6      |
| 930.0                  | 69.9      |
| 934.0                  | 70.2      |
| 938.0                  | 70.5      |
| 942.0                  | 70.8      |
| 946.0                  | 71.1      |
| 950.0                  | 71.4      |
| 954.0                  | 71.7      |
| 958.0                  | 72.0      |
| 962.0                  | 72.3      |
| 966.0                  | 72.6      |
| 970.0                  | 72.9      |
| 974.0                  | 73.2      |
| 978.0                  | 73.5      |
| 982.0                  | 73.8      |
| 986.0                  | 74.1      |
| 990.0                  | 74.4      |
| 994.0                  | 74.7      |
| 998.0                  | 75.0      |

**POLYGLASS VESSELS SPECIFICATION SHEET** [WATERPURIFICATION.PENTAIR.COM](http://WATERPURIFICATION.PENTAIR.COM)

**PENTAIR**

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## Marketing elements

# Sales Call to Action

- Review target account list – historical review of accounts purchasing dome port tanks
- Discuss competitive production situation
- Schedule follow up calls with target distributors from – late April through early May

**Identify sales opportunities**



**PENTAIR**

Bringing Water to Life