

SN Series

Description

Nitrogen Bottles are commonly used to increase the effective gas volume while keeping the size and cost of the piston accumulator at a minimum.

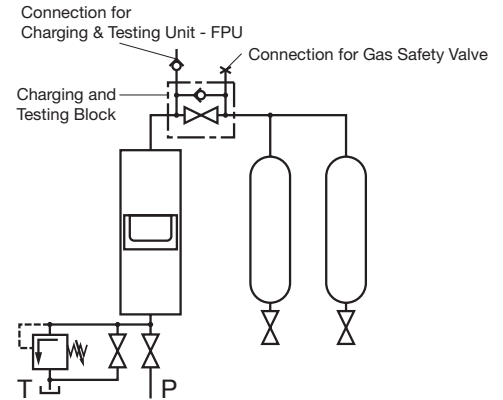
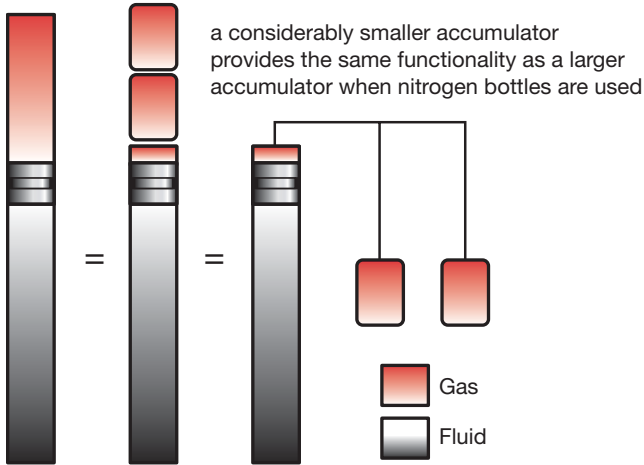
Model Code

| | |
|---|---|
| | SN330 B - 57 CC / 010 S - 210 EE |
| Series | |
| SN 330 = Nitrogen Bottle (3000 psi MAWP) | |
| SN 600 = Nitrogen Bottle (5000 psi MAWP) | |
| Design Code* | |
| (omit) = Standard Nitrogen Bottle | |
| B = Based on Bladder Accumulator Shell | |
| K = Based on Piston Accumulator Shell | |
| M = Based on Diaphragm Accumulator Shell | |
| Size* | |
| 54 = 54 Liters | |
| 57 = 57 Liters | |
| 100 = 100 Liters | |
| Connection Type | |
| Connection 1 (see table 1 on following page) | |
| A = BSP (ISO 228) | |
| B = Metric (DIN 13 According to ISO 965/1) | |
| C = SAE (ANSI B1.1) (standard) | |
| D = NPT (ANSI B2.1) | |
| F = Flange | |
| Connection 2 (see table 1 on following page) | |
| A = BSP (ISO 228) | |
| B = Metric (DIN 13 According to ISO 965/1) | |
| C = SAE (ANSI B1.1) (standard) | |
| D = NPT (ANSI B2.1) | |
| F = Flange | |
| Material Code | |
| Ports | |
| 0 = No Components (standard) | |
| 1 = Carbon steel | |
| 3 = Stainless steel | |
| 4 = Carbon steel (coated) | |
| Shell | |
| 1 = Carbon steel (standard) | |
| 2 = Carbon steel (coated) | |
| 4 = Stainless steel | |
| Seal Material | |
| 0 = No Elastomer (standard) | |
| 2 = NBR (Buna N) | |
| 4 = IIR (Butyl) | |
| 6 = FPM (Fluoro-elastomer) | |
| Country of Installation | |
| S = USA (for other countries see page 2 for proper code designation) | |
| Maximum Working Pressure in bar (based upon third choice - SIZE) | |
| 210 = 3000 psi | |
| 345 = 5000 psi | |
| Connection Size (see table 1 on following page) | |
| Connection 1 | |
| Connection 2 | |

Model Codes containing RED selections are non-standard items – Contact HYDAC for information and availability
Not all combinations are available

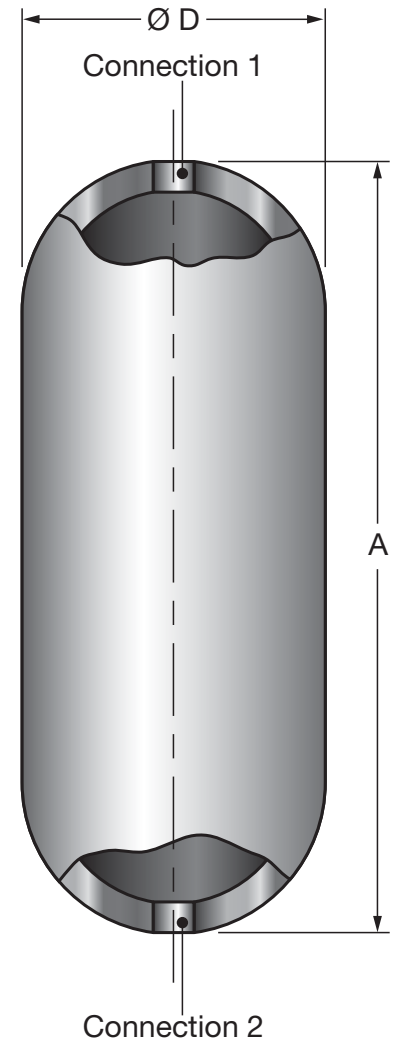
* Size offering listed is for standard nitrogen bottles. For Design Codes other than standard nitrogen bottles, refer to the model code of the accumulator type for sizes available.

Nitrogen Bottles **HYDAC**



Dimensions

| Size (MAWP) | Connections (1 and 2) | Vol. (gallons) | Weight (lbs) | A (inches) | D (inches) | Part Number |
|----------------|-----------------------|----------------|--------------|------------|------------|-------------|
| 54 (5000 psi) | 1 5/16-12UN | 15 | 353 | 72" | 9" | 02050050 |
| 57 (3000 psi) | 1 5/16-12UN | 15 | 247 | 72" | 9" | 02108665 |
| 75 (3000 psi) | 1 5/16-12UN | 20 | 317 | 80.7 | 9" | C/F |
| 100 (3000 psi) | 1 5/16-12UN | 25 | 386 | 89.4" | 10.5" | 02050054 |



Connections

| Size | A BSP (ISO228) | B Metric (DIN 13 Acc. ISO 965/1) | C (ANSI B1.1) | D NPT (ANSI B2.1) | F SAE Flange |
|------|----------------|----------------------------------|---------------|-------------------|-------------------------|
| A | G 1/4" | M 12 x 1.5 | 7/16"-20 UNF | 1/4" | 1/2" 3000 psi Code 61 |
| B | G 3/8" | M 18 x 1.5 | 9/16"-18UNF | 3/8" | 3/4"-3000 psi Code 61 |
| C | G 1/2" | M 22 x 0.5 | 3/4"-16UNF | 1/2" | 1" 3000 psi Code 61 |
| D | G 3/4" | M 27 x 2 | 1 1/16"-12UN | 3/4" | 1 1/4" 3000 psi Code 61 |
| E | G 1" | M 33 x 2 | 1 5/16"-12UN | 1" | 1 1/2" 3000 psi Code 61 |
| F | G 1 1/4" | M 42 x 2 | 1 5/8"-12UN | 1 1/4" | 2" 3000 psi Code 61 |
| G | G 1 1/2" | M 48 x 2 | 1 7/8"-12UN | 1 1/2" | 1/2" 6000 psi Code 62 |
| H | G 2" | M 14 x 1.5 | 2 1/2"-12UN | 2" | 3/4" 6000 psi Code 62 |
| I | G 1 3/4" | M 8 | — | — | 1" 6000 psi Code 62 |
| J | — | — | — | — | 1 1/4" 6000 psi Code 62 |
| K | — | — | 7/8"-14UNF | 5/8" | 1 1/2" 6000 psi Code 62 |
| L | — | — | — | — | 2" 6000 psi Code 62 |

Items in RED are using the basic design with an adapter.

Dimensions are for general information only, all critical dimensions should be verified by requesting a certified print.