

Bladder Accumulators **HYDAC**

Model Code

SB 330 - 20 A 1 / 112 S - 210 C

Series

- SB 330 = Bladder accumulator (3000 psi)
- SB 600 = Bladder accumulator (5000 psi)

Design

- (omit) = Standard (*bottom repairable*)
- N** = **Modified Flow (396 gpm)**
- H** = **High Flow (480 gpm)**
- TR = Standard (*top repairable*)
- NTR** = **Modified Flow (396 gpm) (top repairable)**

Size (see dimension tables on following pages for most common sizes)

- 1 = 1 quart
- 4 = 1 gallon
- 6 = 1.5 gallons
- 10 = 2.5 gallons
- 20 = 5 gallons
- 32 = 10 gallons
- 42 = 11 gallons
- 54 = 15 gallons

Line Connection

- A = Threaded
- F = Flanged

Gas Port

- 1 = Standard model, HYDAC gas valve version 4 (8V1 - ISO 4570)

Material Code

Depending on Application

- 112 = Standard for oil service (*mineral oil*)

Fluid Port

- 0 = Synthetic coated carbon steel (*internal & external for water service*)
- 1 = Carbon steel
- 2** = **Stainless steel (high strength)**
- 3** = **Stainless steel (corrosion resistance)**
- 4** = **Chemically plated carbon steel (internal & external for water service)**
- 6** = **Low temperature carbon steel (<-40°F)**

Shell

- 0 = Synthetic coated carbon steel (*internal & external for water service*)
- 1 = Carbon steel
- 2** = **Chemically plated carbon steel (internal & external for water service)**
- 6** = **Low temperature carbon steel (<-40°F)**
- 7 = Others available on request

Bladder Compound

- 2 = NBR (Buna N)
- 3** = **ECO (Hydrin)**
- 4** = **IIR (Butyl)**
- 5 = LT-NBR (low temp. Buna)
- 6** = **FPM (Fluoro-elastomer)**
- 7** = **Others (available on request)**

Compound	Oper. Temp Range	Typical Fluids
NBR	5° to 180°F	mineral oils
	32° to 180°F	water & water-glycols
LT- NBR	-50° to 180°F	mineral oils
ECO...113...	-20° to 250°F	mineral oils
ECO...663...	-40° to 200°F	mineral oils (with low temperature CS shell)
IIR	-20° to 200°F	phosphate esters & brake fluids
FPM	5° to 300°F	chlorinated hydrocarbons

Country of Installation

- S = USA
- S1 = Canada (CRN certified)
- W1 = ABS Type Approval
- W3 = DNV Type Approval
- U = PED/CE

(for other countries see page 2 for proper code designation)

Maximum Working Pressure

- 210 = 3000 psi
- 345 = 5000 psi

Fluid Port Connection

- Threaded
 - A = BSPP (ISO 228)
 - B = Metric (DIN 13)
 - C = SAE (ANSI B1.1)
 - D = NPT (ANSI B1.2)
- Flanged
 - E = SAE 2" - 3000 psi (Code 61)
 - F = SAE 1 1/2" - 6000 psi (Code 62)
 - G = SAE 1 1/4" - 3000 psi (Code 61) (*only available in sizes 4 liters & 6 liters*)
 - H = SAE 1" - 6000 psi (Code 62) (*only available in sizes 1 liter & 4 liters*)

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

Note: For Oil, Gas & Marine specific bladder accumulators please refer to page 48