



**CARSON** 

**SYNERTECH**

**FIBRELYTE®**

**Christy**

*Municipal Water Products*

*Proud Member of*

  
**American Water Works  
Association**

The Authoritative Resource on Safe Water™





## Standard Grade, Specification Grade and H Series Boxes & Vaults

High Density Polyethylene plastic (HDPE), polymer concrete and hybrid grade level enclosures are easy to install and provide strong, durable, chemical and water resistant performance. Hybrid units combine the best characteristics of each material, optimizing cost and performance.

Cover materials available in plastic, cast iron and high density polymer concrete. Some models are also available with Fibrelite® or Synertech® covers.

- **Engineered Design to Meet Application and Installation Requirements**
- **Multiple Locking Provisions**
- **AMR Capable Covers**



### Light Duty:

Greenbelt/Pedestrian Rated

#### Standard Grade: Lightweight Plastic Body

Model	Size (LxW)	Depths	Ext.
1015	10" x 15"	12"	6"
012	12" x 20"	12"	3" 6"

#### Specification Grade: Plastic Body

Model	Size (LxW)	Depths	Ext.
910	9" Dia	10" 18"	
1017	10" x 17"	12"	
1419	14" x 19"	12" 24"	6"
1520	15" x 20"	18"	
1220	12" x 20"	12"	6"
1324	13" x 24"	12" 15"	
1730	17" x 30"	12" 15" 18" 24"	
2200	12" Dia	15" 18"	6"

#### Specification Grade Vaults: Plastic Body

Model	Size (LxW)	Depths	Ext.
2424	24" x 24"	18" 24" 30" 36" 42" 48"	
2436	24" x 36"	18" 24" 30" 36" 42" 48"	
2448	24" x 48"	18" 24" 30" 36" 42" 48"	
2460	24" x 60"	18" 24" 30" 36" 42" 48"	
3636	36" x 36"	18" 24" 30" 36" 42" 48"	
3648	36" x 48"	18" 24" 30" 36" 42" 48"	
3660	36" x 60"	18" 24" 30" 36" 42" 48"	

### Medium Duty:

Incidental, non-deliberate traffic

#### Specification Grade Vaults: Plastic Body

Model	Size (LxW)	Depths	Ext.
2424	24" x 24"	18" 24" 30" 36" 42" 48"	
2436	24" x 36"	18" 24" 30" 36" 42" 48"	
2448	24" x 48"	18" 24" 30" 36" 42" 48"	
2460	24" x 60"	18" 24" 30" 36" 42" 48"	
3636	36" x 36"	18" 24" 30" 36" 42" 48"	
3648	36" x 48"	18" 24" 30" 36" 42" 48"	
3660	36" x 60"	18" 24" 30" 36" 42" 48"	

### Heavy Duty:

Incidental, non-deliberate traffic

#### H Series: Polymer Concrete Body

Model	Size (LxW)	Available Depths	Ext.
2436	24" x 36"	18" 24" 30"	(S)
3048	30" x 48"	18" 24" 30" 36"	(S)
3060	30" x 60"	18" 24" 30" 36"	(S)

(S) - Certain model sizes may be stacked to create greater depths  
Note: Heavy duty, all polymer concrete units are rated H-20 and suitable for use in DOT off Roadway "right of way" areas only.

Other options available, not all models are listed.



## Heavy Wall Boxes and Pits

Patented three layer rotational molded plastic makes the heavy wall meter boxes and pits exceptionally strong. The black exterior is UV resistant, while the white interior offers improved working visibility. Thermo-Pak freeze protection system available to ensure heat retention in meter pit.

Specialty configurations and interior wall coloring available. Large variety of covers/lids in plastic and iron (Covers and Frames) with AMR and lid locking provisions.

- **Strong & Lightweight**
- **Bright White Reflective Interior**
- **Superior Insulating Properties**



Thermo-Pak



Bullet - MAX

Round

Oval

MSBCF

Wall Construction: ▶  
Black Exterior, Gray Core,  
White Interior



### Medium Duty:

Incidental, non-deliberate traffic

#### Round:

Model	Size (I.D.)	Depths	Ext.
15B	15"	14" 18" 24" 30" 36" 48"	
15S	15"	18"	
18B	18"	18" 24" 30" 36" 48" 60"	*
18S	18"	24"	*
20B	20"	20" 24" 30" 36" 44" 48" 60" 72"	**
20S	20"	24" 30"	**
21B	21"	36" 48"	
24B	24"	18" 24" 30" 36" 48"	3"
24S	24"	55"	3"
30B	30"	24" 30" 36" 51"	3"
36B	30"	30" 36" 48"	3"

#### Bullet - MAX: 4" Expanded Interior Space

Model	Size (min/max)	Depths	Ext.
18Max	18" / 22" Dia.	24" 30" 36"	*
20Max	20" / 24" Dia.	30" 36" 42" 48" 64"	**

\* 3" 6" 12" 22 degree off-grade

\*\* 2" 3" 4" 6" 8" 12" 7, 15 and 22 degree off-grade

#### Oval Series:

Model	Size (LxW)	Available Depths	Ext.
11P	10" x 15"	10"	
15P	10" x 20"	10" 12" 15" 18"	

#### Rectangular Series

##### MSBC: Flared Wall

Model	Size (LxW)	Depths	Ext.
1015	10" x 15"	12" 18" 24"	6"
1118	11" x 18"	12" 26"	6"
1324	13" x 24"	12"	
1416	14" x 16"	12"	
1730	17" x 30"	18"	

#### Rectangular Series

##### MSBCF: Straight Wall with Paving Flange

Model	Size (LxW)	Depths	Ext.
1015	10" x 15"	12"	6"
1020	10" x 20"	12"	
1118	11" x 18"	12" 18"	6"
1324	13" x 24"	12" 18"	
1416	14" x 16"	12"	
1527	15" x 27"	12" 18" 36"	
1730	17" x 30"	18"	

Other options available, not all models are listed.

**ACTUAL LOAD RATING IS DETERMINED BY THE BOX AND COVER COMBINATION**







## Concrete Meter and Valve Boxes

High density reinforced concrete is reliable and cost effective. Many models available with our exclusive plastic cap for added durability.

Cover materials available in concrete, high density polymer concrete, cast iron and steel. Some models also available with Fibrelite® or Synertech® covers. G Series valve boxes have a cast iron frame and cover. Traffic Duty boxes come with a steel frame and lid.

- Exclusive Plastic Cap Technology
- Proven Performance
- Durability Designed for a Lifetime
- 5/8" to Large Meter Enclosures



### Light Duty:

Greenbelt/Pedestrian Rated

#### Valve Boxes: Concrete Body

Model	Size (LxW)	Depths	Ext.
B03	9" x 15"	12"	
B09	10" x 17"	12"	
B12	11" x 18"	12"	
B16	11" x 22"	12"	
B24	18" x 20"	12"	
B30	13" x 24"	12"	
B65	15" x 27"	12"	
B36	17" x 30"	12"	
N40	24" x 36"	14"	
N48	30" x 48"	14"	
N52	30" x 60"	14"	

### Traffic\*:

Traffic Rated: with Steel Frame and Lid

#### Valve Boxes: Concrete Body

Model	Size (I.D. top/bot.)	Depths	Ext.
G03	8" / 10"	12"	8" 12" 18" 120"
G04	12" / 10" **	12"	8" 12" 18" 120"
G05	9" / 10"	12"	8" 12" 18" 120"
G08	9" / 13"	12"	8" 12" 18" 120"
G12	12" / 14"	12"	8" 12" 18" 120"

\*\*Triangular opening

#### Boxes: Concrete Body

Model	Size (LxW)	Depths	Ext.
B1017	10" x 17"	12"	(S)
B1324	13" x 24"	12"	(S)
B1730	17" x 30"	12"	(S)
B2436	24" x 36"	12"	(S)
B3048	30" x 48"	12"	(S)

\* Only concrete enclosures with steel frames and lids are suitable for continuous duty vehicular traffic service.

(S) - Certain model sizes may be stacked to create greater depths



# FIBRELYTE®

## Meter Boxes

A durable and lightweight polymer composite alternative to concrete. Options vary by model.

- **Lightweight, Strong and OSHA Friendly**
- **Touch Read, Probe Hole, AMR Capabilities**
- **Special Markings & Logos Available**



FL12

### Medium Duty:

Incidental, non-deliberate traffic (Tier 8 as pictured here)

#### Fibrelyte Series: Polymer Composite Body

Model	Size (LxW)	Depths	Ext.
FL08	9" Dia	12"	6" 8" 12" 18" 120" (S)
FL09	10" x 17"	12"	
FL12	11" x 18"	12"	
FL30	13" x 24"	12"	6" 8" (S)
FL36	17" x 30"	12"	6" 8"

(S) - Certain model sizes may be stacked to create greater depths



FL09

## SYNERTECH®

## Duo Mold Boxes & Vaults

High Density Polymer Concrete combined with the tough and lightweight qualities of Sheet Molding Compound. Cover and ring made of high density polymer concrete. Unlike fiberglass boxes, when Duo Mold bodies are field cut for pipe provision the encapsulated glass fibers won't wick water. Matched plate tooling ensures consistent wall thickness.

- **Revolutionary Engineered Materials**
- **Self Cleaning Bolt Holes Standard**
- **Lightest (by 30%) & Strongest Tier 15 Box on the Market**



2436

1212

1118

1730

### Heavy Duty:

Incidental, non-deliberate traffic (Tier 15 as pictured here)

#### Duo Series: HD Polymer Concrete with SMC Composite Body

Model	Size (LxW)	Depths	Ext.
Duo 11x18	11" x 18"	12" 18"	(S)
Duo 12x12	12" x 12"	12" 18"	(S)
Duo 13x24	13" x 24"	12" 18" 24"	(S)
Duo 17x30	17" x 30"	12" 18" 24"	(S)
Duo 24x36	24" x 36"	18" 24" 36"	(S)
Duo 30x48	30" x 48"	18" 24" 36"	(S)
Duo 36x60	36" x 60"	24" 36"	(S)

(S) - Certain model sizes may be stacked to create greater depths

Other options available, not all models are listed.  
**ACTUAL LOAD RATING IS DETERMINED BY THE BOX  
AND COVER COMBINATION**

## Cover/Lid Options



- Color Options** *Black, Tan, Green, Blue, Purple, Gray*
- Material Composition** *Plastic, High Density Polymer Concrete, Iron*
- Reader Door** *Plastic, Cast Iron*
- Locking Provisions** *Hex Bolt, "L" Bolt, Penta Bolt, Drop-N-Lock™, Dallas Lock*
- Style** *T Cover/Lid, Flush Cover/Lid, Hinged Cover/Lid*
- Frames & Covers** *Available for Round Boxes*
- Customization** *Logo and Vanity Markings, AMR Capabilities, Custom Coloring*

**COMING SOON: NEW HEAVY DUTY PLASTIC LIDS FOR CARSON  
HEAVY WALL RECTANGULAR PRODUCTS**



- Material Composition** *Reinforced Concrete, Steel Checker Plate, Iron*
- Reader Door** *Cast Iron Hinged, Concrete Drop In*
- Locking Provisions** *Hex Bolt, Penta Bolt, Oldcastle® Vandal Proof Bolt, Padlockable Steel*
- Style** *Flush, Cover*
- Customization** *Logo and Vanity Markings, AMR Capabilities*



## FIBRELYTE®

- Material Composition** *Lightweight Polymer Composite*
- Locking Provisions** *Hex Bolt, Penta Bolt, Oldcastle® Vandal Proof Bolt*
- Customization** *Logo and Vanity Markings*



## SYNERTECH®

- Material Composition** *High Density Polymer Concrete with Sheet Molding Compound*
- Locking Provisions** *Hex Bolt, Penta Bolt, Oldcastle® Vandal Proof Bolt*
- Customization** *Logo and Vanity Markings, Marking Plates*







## AMR Options

*Cover materials are AMR friendly.  
Customized configurations available to  
meet your specific AMR needs.*

## Locking and Security Options

- Hex Bolt
- "L" Bolt
- Penta Bolt
- Drop-N-Lock™
- Dallas Lock
- Padlockable Steel
- Oldcastle® Vandal Proof Bolt



### OPES Load Rating Key

- Light Duty :  
Pedestrian/Greenbelt
- Medium Duty :  
Incidental,  
Non-deliberate Traffic
- Heavy Duty :  
Incidental,  
Non-deliberate Traffic
- Traffic : Continuous  
Roadway Traffic

Class Vehicle	GVW	Max Wheel Load	Load Category	Design Load	Test Load	Specification
Passenger Car	6000	2400	Pedestrian	300 lb/ ft2		AASHTO/ ASTM C 857
					3000 lbf	ANSI/ SCTE 77
						Telcordia GR-902
Light Duty Truck; up to Class 3	14000	5600	Tier 5	5000	7500	ANSI/ SCTE 77
			Tier 8	8000	12000	
Medium Duty Truck; up to Class 6	26000	10400	H 10/ A-8	8000	22560	AASHTO/ ASTM C 857
						Telcordia GR-902
						WUG Guide 3.6
Heavy Duty Truck; up to Class 8	40000	16000	Tier 15	15000	22500	ANSI/ SCTE 77
			Tier 22	22500	33750	
			ht 20/ A-16	16000	45120	AASHTO/ ASTM C 857
						Telcordia GR-902
Designated Traffic Lane	40000	16000	HS 20/ A-16	16000	45120	AASHTO/ ASTM C 857

### ACTUAL LOAD RATING IS DETERMINED BY THE BOX AND COVER COMBINATION

Customer service is available to assist in determining the correct product based on load requirements. However, the customer is responsible for final choice of box/lid configuration.



All information contained in this brochure was current at the time of printing. Because of Oldcastle Precast, Inc.'s policy of ongoing research and development, the Company reserves the right to discontinue or update product information without notice. Due to the ever changing technologies and our large variety of products, please contact your local sales representative so we can assist you in selecting the most appropriate body, cover and options for your project.

## Oldcastle Precast Enclosure Solutions

## Delivering Reliability

Oldcastle Precast has combined the products of Carson, Christy and Synertech to form Oldcastle Precast Enclosure Solutions, one of the largest, most innovative manufacturers in the world of enclosure products made from concrete, polymers and plastics. With a nationwide network of facilities, our products are always close at hand. Oldcastle Precast Enclosure Solutions is the global leader with the strongest, most durable materials using leading-edge technologies for designing, manufacturing and supplying enclosure products for the protection of municipal water, irrigation, electric, telecommunications, cable and transportation infrastructures.

### ★ Distribution Centers Servicing Your Local Areas

**CARSON** **SYNERTECH** **FIBRELYTE** **Christy**



**Oldcastle Precast**<sup>®</sup>  
Enclosure Solutions



Portland, OR : 800-509-6150

Madera, CA : 800-486-7070

Tracy, CA : 209-820-2100

Riverside, CA : 888-683-6595

Phoenix, AZ : 800-251-2810

Houston, TX : 800-521-6554

Napoleon, OH : 877-225-9399

Morrisville, PA : 877-250-5139

Acworth, GA : 877-974-7322



Montréal, QC : 888-868-5214

[oldcastleprecast.com/enclosuresolutions](http://oldcastleprecast.com/enclosuresolutions)

**(800) 735-5566**

© 2010 Oldcastle Precast, Inc.  
WA100

Revision Date: 06/11/10