

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



NEW!
MX-GS Line

GUARDSHACK™

MIX-GUARDSHACK™

COAST GUARDSHACK™

FROSTGUARD™

ENCPAD™

ECONO-CAGE™

**ENCLOSURE
PRODUCTS**

BLACK-JACK™
ADJUSTABLE PIPE SUPPORTS



BACKFLOW PREVENTION DEVICE ENCLOSURES

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



GUARDSHACK™

Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Forest Green and Woodland Tan colors. Pre-manufactured Enclosure Pads shown throughout.

The Safe, Beautiful way to protect most ½" - 2" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Powder coated for durability and low maintenance
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the **EncPad™** (patent pending)
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps



BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

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LIFT OFF MODELS

GUARDSHACK™

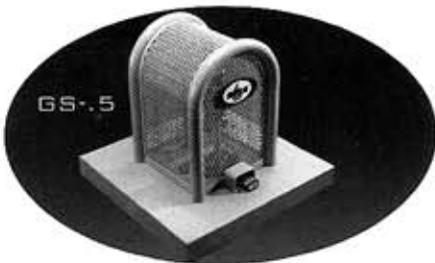
POWDER-COATED METAL ENCLOSURES

GS-.5 / GS-1 / GS-2

ENC PAD™



GS-.5



FROST GUARD™

Powdercoated GuardShack™ Lift Off Enclosures for 1/2" - 2" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	WT	ENC PAD MODEL	ENC PAD DIMENSIONS	FROSTGUARD MODEL	ALTERNATE CONCRETE PAD DIMENSIONS
GS-.5	12" w x 18" h x 12" l	10" w x 18" h x 10" l	34	EP-.5	24" w x 24" l x 3" d	FG-.5	20" w x 20" l
GS-1	12" w x 24" h x 24" l	10" w x 24" h x 22" l	40	EP-1	24" w x 36" l x 3" d	FG-1	20" w x 32" l
GS-2	12" w x 24" h x 32" l	10" w x 24" h x 30" l	45	EP-2	24" w x 42" l x 3" d	FG-2	20" w x 40" l

It's no surprise that BPD's two most popular sizes are the GS-1 and GS-2 powdercoated models. Over four dozen different backflow assemblies fit inside these rugged yet attractive units, since these models allow full use of the interior space. These models are also very popular for light powered timers, air/vacuum relief valves, gas valves and more. The GS-.5 unit is perfect for 1/2"-3/4" PVB's and all three units are often used to cover dangerous, hard-to-see pedestrian trip hazards. All tamper proof hardware is supplied with unit.

Also Available for your Lift Off Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's better than concrete. Now Lift Off enclosures install in less than 45 minutes, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad, with a cut out to fit over an assembly. It uses the BPD's **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and perfectly sized to fit inside your GuardShack™ enclosure, (see above).
- **Lock Shield Brackets** - Designed to safeguard a unit from bolt cutters, (see GS-.5 photo above).
- **Emblems** - Laser cut, silkscreened emblems of your corporate logo, or government or school seal are available (see GS-.5 above).

FABRICATION SPECIFICATIONS:

1 1/4" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. steel pipe for end frames
 1" x 1" x 1/8" steel angle iron base
 1/2" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 4" O/C
 Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
 Units preheated before applying 1.5-2.0 mil thickness polyester powder to A.S.T.M. D-2794
 Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

Backflow Assembly Sizing Chart

MODEL	GS-1		GS-2	
	SIZE	LENGTH	SIZE	LENGTH
FEBCO 825Y	3/4"	19 1/2"	1 1/4"	24 1/2"
	1"	20 3/4"	1 1/2"	28 1/2"
FEBCO 825YA	3/4"-1"	10 1/4"		
	1 1/2"-2"	14 3/4"		
FEBCO 860	3/4"	18 1/4"	1 1/4"	26 1/2"
	1"	20 1/2"	1 1/2"	28"
FEBCO 880	3/4"	14"	1 1/2"	24 1/2"
	1"	17 1/4"	2"	25"
	1 1/4"	22"		
WATTS 009	3/4"	19 1/4"	1"	24 3/4"
			1 1/4"	28"
WATTS 009UA	3/4"-1"	16 1/2"	2"	24 1/2"
	1 1/2"	20"		
WATTS 909			3/4"	24 3/4"
			1"	25 1/4"
WILKINS 975/XL	3/4"	19 1/2"	1 1/4"	27 1/2"
	1"	21"	1 1/2"	28 1/2"
WILKINS 975XLV	3/4"	15"		
	1"	15 1/2"		

NOTE: For larger sizes not listed here, see GS-3 / GS-4 Sizing Chart
 Use GS-.5 units for 1/2"-3/4" PVB installations, up to 18" in height
 Use GS-1 units for 1/2" - 2" PVB installations, up to 24" in height



Backflow Prevention Device InnClosures

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WARRANTY: BPD warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



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Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Forest Green and Woodland Tan colors. Pre-manufactured Enclosure Pads shown throughout.

The Safe, Beautiful way to protect your 1½" - 2" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Powder coated for durability and low maintenance
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the **EncPad™** (patent pending)
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps



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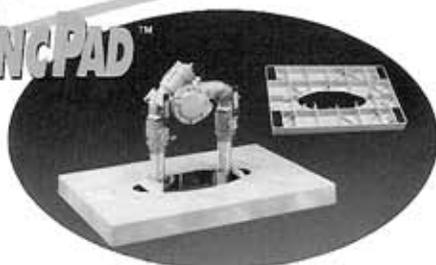
HINGED MODELS

GUARDSHACK™

POWDER-COATED METAL ENCLOSURES

GS-3 / GS-4

ENCPAD™



FROSTGUARD™



Powdercoated GuardShack™ Hinged Enclosures for 1½" - 2" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	WT	ENCPAD MODEL	ENCPAD DIMENSIONS	FROSTGUARD MODEL	ALTERNATE CONCRETE PAD DIMENSIONS
GS-3	12" w x 24" h x 42" l	10" w x 24" h x 40" l	51	EP-3	24" w x 48" l x 3" d	FG-3	20" w x 52" l
GS-4	18" w x 30" h x 48" l	16" w x 30" h x 46" l	67	EP-4	30" w x 60" l x 3" d	FG-4	26" w x 58" l

The GS-3 and GS-4 are very popular members of BPD's small powdercoated enclosure lineup. All 1½"-2" backflow assemblies fit inside these two rugged yet attractive hinged models. These models are also very popular for enclosing solar & light powered timers, air/vacuum relief valves, gas valves and more. The GS-4 unit is perfect for enclosing two backflow assemblies in the same unit which has the effect of reducing the relative cost of protecting each device by 50%. All tamper proof hardware is supplied with your unit.

Also Available for your Hinged Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's **better** than concrete. Now install any hinged enclosure in less than one hour, **without concrete**. The **EncPad™** is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad. Furnished with a cut out to fit over an assembly, it uses the BPD **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The **EncPad™** is easily removed and replaced in moments in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now available in R-13 & R-30 models and perfectly sized to fit inside your GuardShack enclosure, (see above).
- **Lock Shield Brackets** - Order these to safeguard your assembly from bolt cutters, (see above).
- **Emblems** - Laser cut, silkscreened emblems of your corporate logo, or government or school seal are available (see over).

FABRICATION SPECIFICATIONS:

1¼" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. steel pipe for end frames
 1" x 1" x 1/8" steel angle iron base
 ½" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 4" O/C
 Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
 Units preheated before applying 1.5-2.0 mil thickness polyester powder to A.S.T.M. D-2794
 Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

WARRANTY: BPD warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Backflow Assembly Sizing Chart

MODEL	GS-3		GS-4	
	SIZE	LENGTH	SIZE	LENGTH
FEBCO 825Y	2"	31"	Two-2" RP	31"
FEBCO 860	2"	31"	Two-2" RPs	31"
WATTS 009	1 ½"	29 ¼"	Two-2" RPs	34 ¾"
WATTS 909	2"	34 ¾"		
	1 ¼"	31 ¼"	Two-2" RPs	37"
WILKINS 975/XL	1 ½"	33"		
	2"	31 ¾"	Two-2" RPs	31 ¾"

NOTE: For all other 1 ½" - 2" assemblies see GS-1 / GS-2 Sizing Chart
 Use GS-4 units when installing 2 assemblies side by side, or when installing a strainer, filter, or other items on a 1 ½" - 2" inline assembly



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GUARDSHACK™

Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Forest Green and Woodland Tan colors. Pre-manufactured Enclosure Pad bases shown throughout.

EXTRA LARGE 2 PC. CLAMSHELL & TELESCOPING CLAM SHELL MODELS

The Safe, Beautiful way to protect your 8"-10" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians. Telescoping design feature (on GS-9 & GS-10 models) allows for closest possible fit
- Complete access for testing & service work. Unique design allows one person operation
- Powder coated for durability and low maintenance
- 3-4 hours installation time, using our pre-manufactured Enclosure Pad, the **EncPad™**
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps
- Extra tall custom models for OS&Y gate valves available



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GUARDSHACK

ENC PAD



ALL GS-9 SECTIONS
HINGE FULLY OPEN (RIGHT)

UNDERSIDE OF
EP-1 MODEL SHOWING
TYPICAL EXTENSIVE PAD
REINFORCEMENT (LEFT)



Powdercoated GuardShack™ Clam Shell Enclosures for 8" - 10" Standard Backflow Assemblies

MODEL	MAX CENTERLINE DIMENSIONS	MAX INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	ALT. CONCRETE PAD DIMENSIONS	SIZED FOR
GS-8.5	40" w x 60" h x 122" l	38" w x 60" h x 120" l	2 pc. clamshell	EP-8.5	42"W x 136"L x 3"D	48"W x 132"L	8"-10" RPs & DCA's
GS-9	40" w x 56¾" h x 151½" l	38" w x 56¾" h x 149½" l	3 pc. clamshell	EP-9	Special Order*	Varies	8"-10" RPs
GS-10	40" w x 56¾" h x 202" l	38" w x 56¾" h x 200" l	4 pc. clamshell	EP-10	Special Order*	Varies	Extra Long 8"-10" RPs

* EncPad™ Bases Available. Consult factory for desired length of pad.

BPDI's GS-8.5, GS-9 and GS-10 enclosures are by far the largest enclosures available in the industry. Constructed in 2, 3 and 4 sections respectively, (GS-8.5 and GS-10 not shown), the unique telescoping ability, of the GS-9 & GS-10 models, allows you to size them properly for all your 8"-10" assemblies. The GS-9 by itself can cover any of the listed assemblies, many of them with strainers too. Use the GS-10 to cover and beautify extremely long units, ones with attached meters, filters, automatic control valves, etc. For backflow assemblies with OS&Y gate valves, extra tall custom units are available.

Also Available for your Telescoping Clam Shell Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's better than concrete. Now BPDI's telescoping enclosures install in 3-4 hours, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad, shipped in 3 or 4 sections with a slot cut out to fit around an assembly, (cut out slots not shown, these pages). EncPad™ uses the BPDI PadLok™ anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your GuardShack™ enclosure. See FrostGuard™ sales sheet or contact factory with assembly dimensions.
- **Lock Shield Brackets** - Designed to safeguard a unit from bolt cutters.
- **New Style, extra heavy duty hinges standard on all 3 models**

FABRICATION SPECIFICATIONS:

1½" Sch 40 A.S.T.M. -A-53 Gr.A.E.W. steel pipe for end frames
1" x 1" x 1/8" steel angle iron base, raised 3/8" above slab
½" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 4" O/C
Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
Units preheated before applying 1.5-2.0 mil thickness Polyester powder to A.S.T.M. D-2794
Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

WARRANTY: BPDI warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. Powdercoated warrantee void if excessive amounts of lawn sprinkler water, especially reclaimed water, or salt water spray constantly covers the powdercoated surface. All claims must be made known to BPDI in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPDI reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPDI be liable for any incidental or consequential damages whatsoever. * Warranty void if excessive amounts of lawn sprinkler water, reclaimed water or salt spray from a nearby ocean consistently cover the powdercoated surface. Consult factory for other options in these cases. SS models or powdercoated models with zinc underplating are available & recommended in these cases.

Assembly Sizing Chart

MODEL	GS-8.5		GS-9	
	SIZE	LENGTH	SIZE	LENGTH
FEBCO 860	10"	110½"	10"	110½"
FEBCO 880 OS&Y**	10"	117"	10"	117"
WATTS 909	8"	110 ¼"	8"	110 ¼"
WATTS 909			10"	131½"
WILKINS 975	8"	102½"	8"	102½"
WILKINS 975			10"	122"

** For 10" 880 OS&Y turn gate valves 90° to fit NOTE: All lengths are outside dim. using Ductile Iron Pipe

Use of custom cages with extra height required for some NRS & OS&Y gate valve units.

See GS-NP and CGS-NP sheets for N Pattern Assembly sizing charts.

Febco 860 8" will fit in a GS-8 Enclosure, (see corresponding sheet for details).

Use GS-10 Enclosures when more than 149½" l is needed for assemblies with meters, filters, automatic control valves, pumps or other fixtures.



Backflow Prevention Device InnClosures

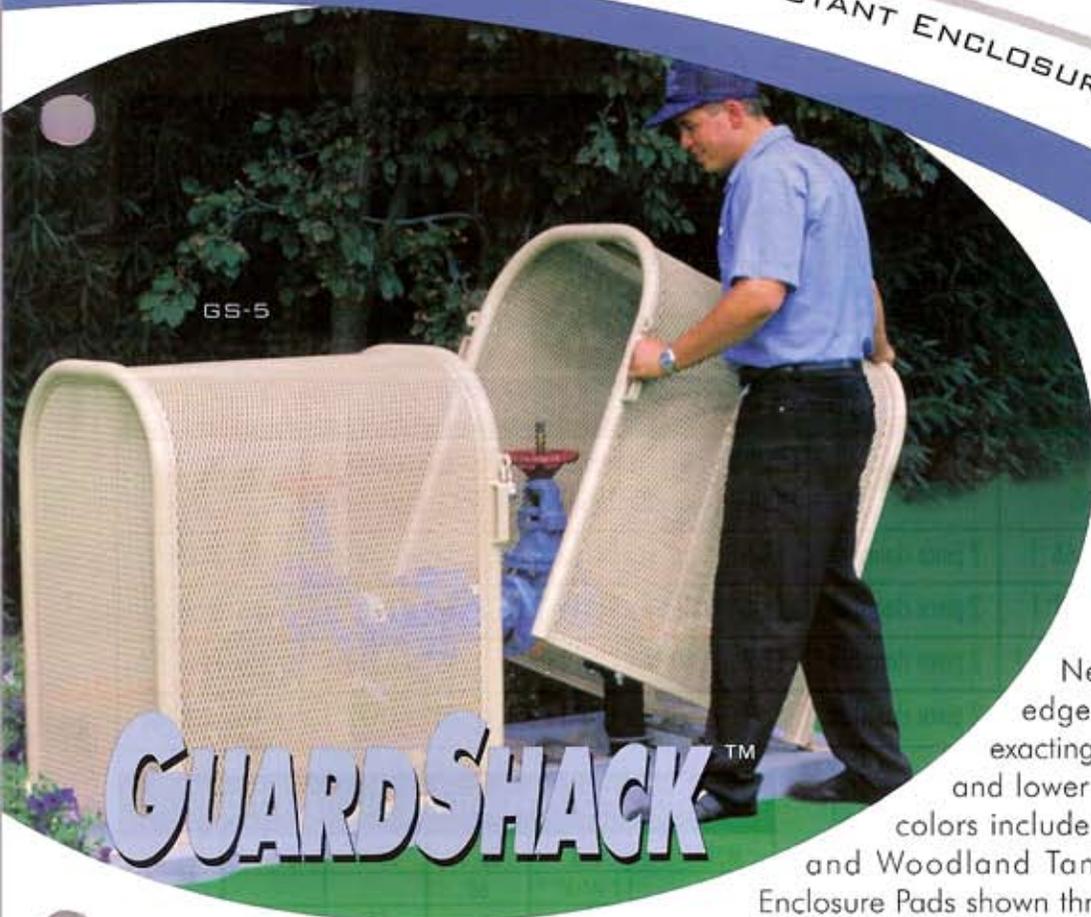
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GS-5 / GS-6

GS-7 / GS-8



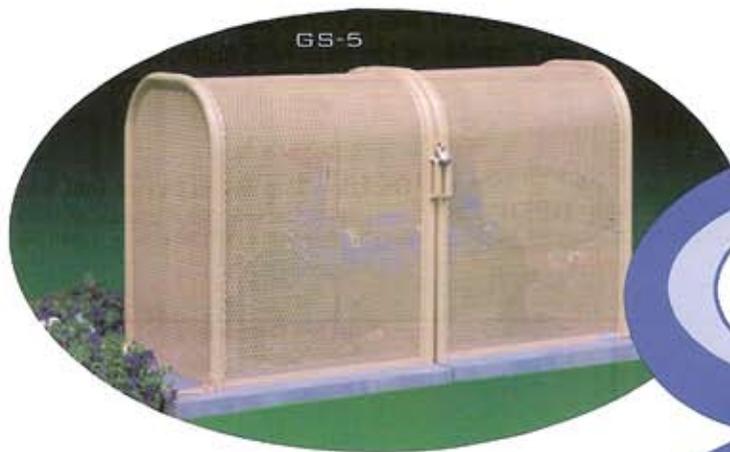
GS-5

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The Safe, Beautiful way to protect most 2½" - 8" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Powder coated for durability and low maintenance
- 2-3 hours installation time, using our pre-manufactured Enclosure Pad, the **EncPad™** (patent pending)
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps



GS-5

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GLAM SHELL MODELS

GUARDSHACK™

POWDER-COATED METAL ENCLOSURES

GS-5 / GS-6 / GS-7 / GS-8

THE OLD WAY TO INSTALL LARGE ENCLOSURES:
LOTS OF TIME, TOOLS AND MATERIALS.

THE NEW ENCPAD™ WAY: A COUPLE OF HOURS,
A COUPLE OF TOOLS AND A COUPLE OF PADS.



Powdercoated GuardShack™ Clam Shell Enclosures for 2½" - 8" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	ALT. CONCRETE PAD DIMENSIONS	SIZED FOR
GS-5	26" w x 40" h x 68" l	24" w x 40" h x 66" l	2 piece clamshell	EP-5	36" w x 84" l x 3" d	34" w x 88" l	2½" - 3" RPs
GS-6	26" w x 40" h x 82" l	24" w x 40" h x 80" l	2 piece clamshell	EP-6	36" w x 96" l x 3" d	34" w x 102" l	4" RPs
GS-7	32" w x 48" h x 101½" l	30" w x 48" h x 99½" l	2 piece clamshell	EP-7	50" w x 120" l x 3" d	40" w x 118" l	6" RPs
GS-8	40" w x 60" h x 101½" l	38" w x 60" h x 99½" l	2 piece clamshell	EP-7	50" w x 120" l x 3" d	48" w x 122" l	8" Febco 860/880*

Backflow protection for large lines no longer has to be unsightly! The GS-5 through GS-8 enclosures are BPD's attractive, powder coated 2 piece clam shell models for 2½" through 8" backflow assemblies. Besides offering great vandal protection, these beautifully designed enclosures gracefully enhance the appearance of any building they happen to be installed in front of. These units can also be used for enclosing valuable pumps, automatic control valves, etc. instead of constructing fenced-in compounds or underground vaults.

Also Available for your Clam Shell Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's better than concrete. Now Clam Shell enclosures install in just 2-3 hours, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type 2 piece plastic pad, with a cut out to fit over an assembly. It uses the BPD **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your GuardShack™ enclosure. Contact factory with assembly dimensions.
- **Lock Shield Brackets** - Designed to safeguard a unit from bolt cutters.
- **Emblems** - Laser cut, silkscreened emblems of your corporate logo, or government or school seal are available.

FABRICATION SPECIFICATIONS:

1¼" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. steel pipe for end frames
1" x 1" x 1/8" steel angle iron base
½" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 4" O/C
Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
Units preheated before applying 1.5-2.0 mil thickness polyester powder to A.S.T.M. D-2794
Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

WARRANTY: BPD warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Backflow Assembly Sizing Chart

MODEL	SIZE	GS-5	GS-6	GS-7	GS-8
FEBCO 860	2½"-3"***	60"			
	4"		68"		
	6"			83"	
	8"				97"
FEBCO 880*	8" OS&Y				94"
WATTS 009	2½"-3"***	52"			
	2½"-3"***	61"			
WATTS 909	4"		77"		
	6"			93"	
	2½"-3"***	57"			
WILKINS 975	4"		72"		
	6"			89"	

* Febco 880 assemblies require the OS&Y Gate Valves be turned 90° to fit
** 3" lengths shown above. 2½" sizes are 2"-4" less depending on backflow assembly
Notes: All lengths are outside dimensions figuring Ductile Iron Pipe
All sizes fit NRS and OS&Y valves. Some OS&Y height tolerances are narrow
See GS-NP and CGS-NP sheets for N Pattern Assembly sizing charts
For other 8" assemblies not listed see GS-9 / GS-10 sizing chart



Backflow Prevention Device InnClosures

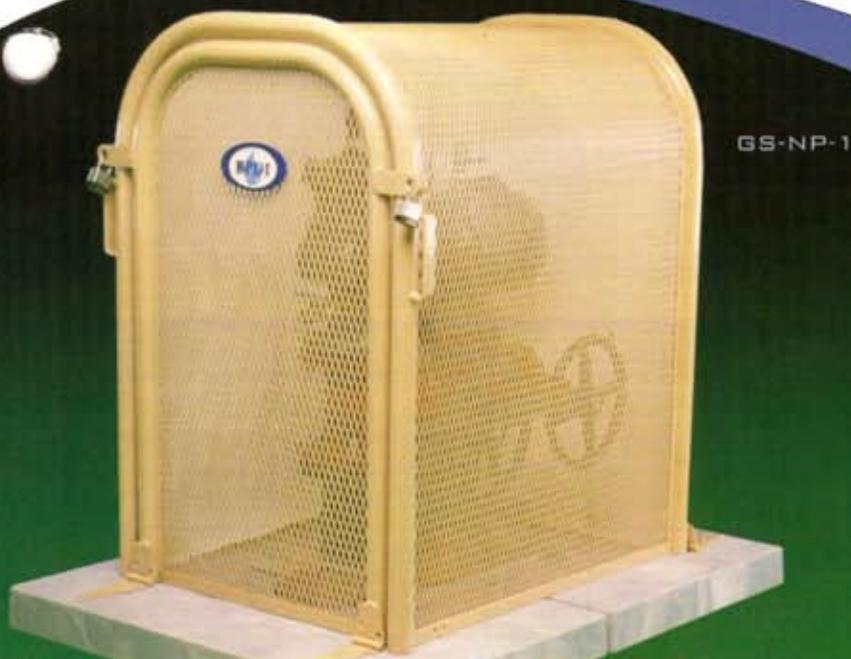
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GS-NP-1 / GS-NP-1.5

GS-NP-2 / GS-NP-3



GS-NP-1

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Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Forest Green and Woodland Tan colors. Pre-manufactured Enclosure Pads shown throughout.

The Safe, Beautiful way to protect your 2½" - 10" NP Style backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Powder coated for durability and low maintenance
- 2 hours installation time, using our pre-manufactured Enclosure Pad, the EncPad™ (patent pending)
- FrostGuard™ Insulated Blanket available to protect assembly from occasional cold snaps



GS-NP-1

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"N" PATTERN MODELS

GUARDSHACK™

POWDER-COATED METAL ENCLOSURES

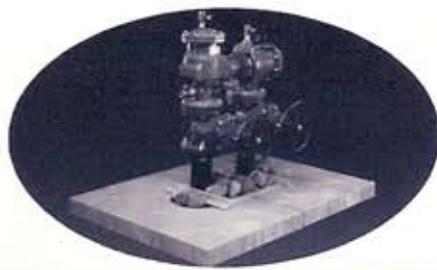
GS-NP-1 / GS-NP-1.5 / GS-NP-2 / GS-NP-3

ENC PAD™



3" FEBCO 880 RP
W/ ENCPAD™ (RIGHT)

UNDERSIDE OF
EP-1 MODEL SHOWING
EXTENSIVE PAD
REINFORCEMENT (LEFT)



Powdercoated GuardShack™ Enclosures for 2½" - 10" "N" Pattern Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	ALTERNATE CONCRETE PAD DIMENSIONS
GS-NP-1	26" w x 40" h x 33¼" l	24" w x 40" h x 31¼" l	Hinged w/ Gate	EP-NP-1	36" w x 48" l x 3" d	32" w x 52" l
GS-NP-1.5	26" w x 40" h x 40¼" l	24" w x 40" h x 38¼" l	Hinged w/ Gate	EP-NP-1.5	36" w x 60" l x 3" d	32" w x 58" l
GS-NP-2	32" w x 48" h x 49½" l	30" w x 48" h x 47½" l	Hinged w/ Gate	EP-NP-2	48" w x 72" l x 3" d	38" w x 64" l
GS-NP-3	40" w x 60" h x 49½" l	38" w x 60" h x 47½" l	Hinged w/ Gate	EP-NP-2	48" w x 72" l x 3" d	46" w x 68" l

Backflow protection for large lines no longer has to be unsightly! The GS-NP-1 through GS-NP-3 enclosures are BPD's attractive, powder coated hinged models with gates for 2½" through 10" "N" pattern backflow assemblies. The innovative one piece body with gate design is a BPD exclusive, and is our way of providing the service technician with unlimited access to the unit. Besides offering great vandal protection, these beautifully designed enclosures gracefully enhance the appearance of any building they happen to be installed in front of. These units can also be used for enclosing valuable pumps, automatic control valves, etc. instead of constructing small fenced-in compounds or underground vaults.

Also Available for your "N" Pattern Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's better than concrete. Now "N" Pattern enclosures install in 2 hours or less, without concrete. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type 2 piece plastic pad, with a cut out to fit over an assembly. It uses the BPD PadLok™ anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your GuardShack™ enclosure. Contact factory with assembly dimensions.
- **Emblems** - Laser cut, silkscreened emblems of your corporate logo, or government or school seal are available [see front].

FABRICATION SPECIFICATIONS:

1½" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. steel pipe for end frames
1" x 1" x 1/8" steel angle iron base
½" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 4" O/C
Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
Units preheated before applying 1.5-2.0 mil thickness polyester powder to A.S.T.M. D-2794
Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

WARRANTY: BPD warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Backflow Assembly Sizing Chart

MODEL	GS-NP-1	GS-NP-1.5	GS-NP-2	GS-NP-3
FEBCO 880				
2½"-4" NRS	X			
2½"-4" OS&Y			X	
6" NRS			X	
6" OS&Y				X
8"-10" NRS				X
WATTS N995				
3" - 4" NRS		X		
3" - 4" OS&Y			X	
6" NRS			X	
6" OS&Y				X
WILKINS 475				
4" NRS	X			
4" OS&Y			X	
6" NRS			X	
6" OS&Y				X

NOTE: For standard, in-line assemblies see appropriate brochure
For 8" and 10" assemblies w/ OS&Y valves, gate valves must be reoriented 90° to sides; use GS-8 and GS-9 Clam Shell enclosures, respectively



Backflow Prevention Device InnClosures

15840 N. 32nd Street, Suite 4 Phoenix, AZ 85032
(602) 788-5411 • Fax (602) 788-6104 • 1 (800) 266-5411

Your Local Distributor:

FROSTGUARD™ INSULATED BLANKETS

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



Never any need to install unsightly homemade burlap insulation wrap again. Rugged construction and great UV protection means you can leave **FrostGuard Insulated Blankets** on year round.

INSULATED BLANKETS

The Inexpensive way to protect your backflow assembly from cold weather

- Rugged outer vinyl material has great UV resistance and is now 12% thicker!
- Strong Double Stitched edges.
- Available in **two** standard colors-Forest Green & Woodlands Tan.
- Resilient Industrial Grade R-13 and R-30 Insulation materials can be crushed yet still retain original insulation value and shape.
- A PadLock Grommet is standard equipment to lock your **FrostGuard™ Insulated Blanket** in place.
- Complete and immediate access for testing & servicing.
- Units pay for themselves in the first year in labor savings compared to installing & disassembling other insulation materials.



BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK! THE SHAPE OF THINGS TO COME.

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WWW.GUARDSHACKENCLOSURES.COM

FROSTGUARD™



FrostGuard™ Insulated Blankets for 1/2" - 10" Standard and "N" pattern Backflow Assemblies

MODEL # for R-13 MATERIAL	MODEL # for R-30 MATERIAL	INTERNAL DIM. H x L	Use With BPD I Enc. Model # s	Popular RP Model Sizing Chart								PVB'S (All Models)		
				WATTS			WILKINS			FEBCO				
				009	U009A	909	375	475	975XL	825Y	825YA		860	880
FG-.75V*	N/A	24 x 10	#1											1/2-3/4
FG-1-R13	FG-1-R30	22 1/2 x 22	#1	3/4	3/4-1/2				3/4-1	3/4	1 1/2-2	3/4-1	1	1/4-2
FG-2-R13	FG-2-R30	22 1/2 x 30	#2	1-1/4	2	3/4-1			1/4-1/2	1-1/4		1/4	1/4-2	
FG-3-R13	FG-3-R30	22 1/2 x 40	#3	2		1/2			2	2				
FG-3.3-R13	FG-3.3-R30	28 1/2 x 28	#3.3	1-1/4 tall	3/4-2 tall	3/4-1 tall			1/4-1/2 tall	1-1/4 tall	1 1/2-2 tall	1/4-2 tall	1/4-2 tall	1/2-2 tall
FG-4-R13	FG-4-R30	22 1/2 x 46	#4											
FG-5-R13	FG-5-R30	42 x 74	#5	2 1/2-3		2 1/2-3	2 1/2-4	2 1/2-4	2 1/2-3	2 1/2-3			2 1/2-3	
FG-NP-1-R13	FG-NP-1-R30	46 x 50	#NP-1					4 NRS						2 1/2-4 NRS

(* order Model FG-.75V for Velcro closing on one side)

Multi-Purpose FrostGuard™ Insulated Blankets

MODEL # for MULTI-PURPOSE	INTERNAL DIM. H x L	Popular RP & DC Model Sizing Chart				
		WATTS		FEBCO	WILKINS	
		909/709	6" 774	860/850	375/350	975XL
FG-OSY-4"R30	47 X 92	X	X	X	X	X
FG-OSY-6"R30	54 X 108	X		X	X	X
FG-OSY-8"R30	65 X 125	X		X	X	X

FrostGuard™ Insulated Blankets are an extremely low cost "insurance policy" designed to protect your backflow assembly from the occasional late fall / early spring cold spells which could otherwise result in freeze damage or destruction to exposed backflow assemblies. The **FrostGuard™** also is a "set it and forget it" installation since you can leave it on year round.



GUARDSHACK ENCLOSURES

A Division of B.P.D.I.

3831 E. Grove St. Phoenix, Az 85040

Phone (602)-426-1002 Fax: (602)-426-1005 1(800) 266-5411

WARRANTY: BPD I warranties this product for one (1) year from date of purchase to be free of general defects in material and workmanship. All claims must be made known to BPD I in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD I reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD I be liable for any incidental or consequential damages what-so-ever.

FrostGuard™ Specifications

14 oz. vinyl fabric with reinforced double row Machine stitched edges. Standard vinyl colors are Forest Green & Woodland Tan.

Insulation is Industrial Grade, resilient, crushable, compressed fiberglass, available with standard R-values of R-13 and R-30.

Reinforced metal grommets on bottom seam for installation of a padlock.

Any RP relief valve discharge venting is un-impeded, even when bottom seams are padlocked together for best insulation protection

KS-M1 / KS-M2 / KS-M3 / KS-M4

KS-M1-SS / KS-M2-SS

KS-M3-SS / KS-M4-SS

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



KS-M1

KADDYSHACK™

Never any sharp corners or edges; always powder coated or constructed of 304 Stainless Steel for lasting durability and lower maintenance costs. Powdercoat standard colors include our High Gloss Forest Green and Woodland Tan colors.

The Safe, Beautiful way to protect your pedestal mounted clock or tall backflow assembly

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete one person access for programming & service work.
- Powder Coated Or Stainless Steel for durability and low maintenance
- All Stainless Steel units sand blasted to remove all the sharp edges and burrs typically found in Stainless Steel expanded metal
- Electro Polish Finish used to draw out impurities in the 304 stainless steel models for the best stainless steel finish available
- Great for Golf Courses, Parks, Schools or Road Side Right-of-Way Irrigation Controllers



New Heavy Duty 3 Point Hinges-
Standard!



KS-M4

BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

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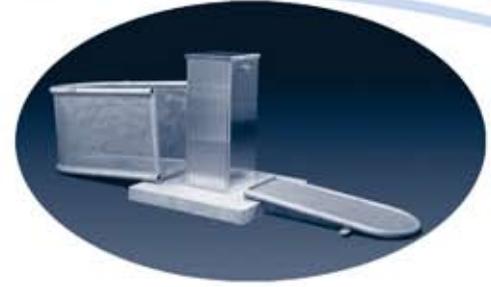
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WWW.BPDI.COM

PEDESTAL CLOCK MODELS

KADDYSHACK™

KS-M1 / KS-M2 / KS-M3 / KS-M4
KS-M1-SS / KS-M2-SS / KS-M3-SS / KS-M4-SS

STEEL & STAINLESS STEEL ENCLOSURES



Powdercoated and Stainless Steel KaddyShack™ Enclosures

POWDERCOAT MODEL	STAINLESS STEEL MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	MODEL TYPE
KS-M1	KS-M1-SS	18" w x 37" h x 20" l	16" w x 37" h x 18" l	Main body with Gate
KS-M2	KS-M2-SS	18" w x 48" h x 20" l	16" w x 48" h x 18" l	Main body with Gate
KS-M3	KS-M3-SS	18" w x 37" h x 41½" l	16" w x 37" h x 39½" l	2 Piece Clam Shell
KS-M4	KS-M4-SS	18" w x 48" h x 41½" l	16" w x 48" h x 39½" l	2 Piece Clam Shell

KaddyShack™ enclosures protect pedestal mounted controllers from vandalism, mowers and golf carts while offering you complete access to your controller, from any side. Because both sections of each KaddyShack™ are hinged, all elements swing completely out of the way for routine programming and service work, so there's no need for a separate hinged top or special tiny doors best suited to a contortionist.

The KaddyShack™ is available in both powdercoated and stainless steel models and fits virtually all pedestal mounted clocks. Specify the M1 or M2 models for protecting single controllers, the M3 or M4 models for multiple units.

The KaddyShack™ models are identical to the corresponding powdercoated GS-M Series and Stainless Steel CGS-M Series. Mounting hardware kit provided.

ALL FABRICATION SPECIFICATIONS:

1½" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. Steel pipe or 304 Sch10 Stainless Steel pipe for end frames
1" x 1" x 1/8" Steel or 304 Stainless Steel angle iron base, raised 3/8" above slab
½" #13 ga. diamond pattern flat rolled expanded steel or 304 Stainless Steel with all welded construction 4° O/C. Expanded metal die formed for uniformity

All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary somewhat due to the nature of sandblasting. All Stainless Steel products given Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available

POWDER COAT SPECIFICATIONS (for Carbon Steel Units):

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
Units preheated before applying 1.5-2.0 mil thickness Polyester powder to A.S.T.M. D-2794 Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications



Backflow Prevention Device InnClosures

3831 E. Grove St. Phoenix, AZ 85040
(602) 426-1002 • Fax (602) 426-1005 • 1 (800) 266-5411
www.bpdi.com

WARRANTY: BPDI warrants all powdercoated products for one (1) year from date of purchase to be free of defects in material and workmanship. Powdercoat warranty void if excessive amounts of lawn sprinkler water, especially reclaimed water, or salt spray consistently cover the powdercoated surface. Consult factory for other options in these cases. SS models or powdercoated models with zinc underplating are available & recommended in these cases. BPDI warrants all 304 stainless steel products for eight (8) years. All claims must be made known to BPDI in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPDI reserves the sole right, at it's own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPDI be liable for any incidental or consequential damages what-so-ever.

Your Local Distributor:

CGS-.5 /
CGS-1 / CGS-2

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



Never any sharp corners or edges; units are constructed of 304 Stainless Steel to exacting standards for lasting durability and lower maintenance costs. Pre-manufactured EncPad™ Bases shown throughout.

The Safe, Beautiful way to protect most ½" - 2" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians, yet offers complete access for maintenance
- Lift off feature means a smaller, less expensive enclosure instead of a larger, more expensive hinged model
- Constructed of 304 Stainless Steel for durability and low maintenance
- Entire unit sandblasted to remove all sharp edges and burrs typically found on SS expanded metal
- Electropolish treatment for the best rust free protection available, standard
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the EncPad™
- FrostGuard™ Insulated Blanket available to protect assembly from occasional cold snaps
- Many uses besides just backflow assembly protection, (see photo below)



SS LIFT OFF MODELS

BACKFLOW PREVENTION DEVICE ENCLOSURES

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COAST GUARDSHACK

CGS-.5 / CGS-1 / CGS-2

STAINLESS STEEL METAL ENCLOSURES

EncPAD



FROSTGUARD



304 Stainless Steel Coast GuardShack™ Lift Off Enclosures for ½" - 2" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	WT	ENCPAD MODEL	ENCPAD DIMENSIONS	FROSTGUARD MODEL	ALTERNATE CONCRETE PAD DIMENSIONS
CGS-.5	12" w x 18" h x 14" l	10" w x 18" h x 12" l	30	EP-.5	24" w x 24" l x 3" d	FG-.5/FG.75	20" w x 18" l
CGS-1	12" w x 24" h x 24" l	10" w x 24" h x 22" l	40	EP-1	24" w x 36" l x 3" d	FG-1	20" w x 32" l
CGS-2	12" w x 24" h x 32" l	10" w x 24" h x 30" l	45	EP-2	24" w x 42" l x 3" d	FG-2	20" w x 40" l

Backflow Assembly Sizing Chart

MODEL	CGS-.5		CGS-1		CGS-2	
	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH
FEBCO 825Y			¾"	19 ½"	1 ¼"	24 ¼"
			1"	20 ¾"	1 ½"	28 ¼"
FEBCO 825YA	¾"-1"	10¼"	1½"-2"	14 ¾"		
WATTS 009			¾"	19¼"	1"	24 ½"
					1 ¼"	28"
WATTS 009UA			¾"-1"	16 ½"	2"	24 ½"
			1 ½"	20"		
WATTS 909					¾"	24 ¾"
					1"	25 ¼"
WATTS 919			¾"	19"	1 ¼"	28 ½"
			1"	21½"		
WILKINS 975/XL			¾"	19½"	1 ¼"	27 ½"
			1"	21"	1 ½"	28 ½"
WILKINS 975/XLV			¾"	15"		
			1"	15"		

It's no surprise that BPD's two most popular Stainless Steel sizes are the CGS-1 and CGS-2 models. Over four dozen different backflow assemblies fit inside these rugged yet attractive units, since these lift off models allow full use of the interior space. Both of these models, plus the tiny CGS-.5, are also very popular for light and battery powered timers, air/vacuum relief valves, gas valves and more. All units are also often used to cover dangerous, hard-to-see pedestrian trip hazards. All tamper proof SS hardware is supplied with unit.

Also Available for your SS Lift Off Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's better than concrete. Now Lift Off enclosures install in less than 45 minutes, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad, with a cut out to fit over an assembly. It uses the BPD's **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and perfectly sized to fit inside your **Coast GuardShack™**, (see above).
- **Lock Shield Brackets** - Designed to safeguard a unit from bolt cutters.

FABRICATION SPECIFICATIONS:

1½" Sch 10 A.S.T.M.-A-312 Gr.A.E.W. 304 Stainless Steel pipe for end frames
 1" x 1" x 1/8" 304 Stainless Steel angle iron base, raised 3/8" above slab
 ½" #13 ga. diamond pattern flat rolled expanded 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity
 All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary due to the nature of sandblasting. All units given Electro Polish treatment to draw out the (rustable) free carbon from enclosures for the best possible rust free finish available



Backflow Prevention Device InnClosures

3831 E. Grove St. Phoenix, AZ 85040
 (602) 426-1002 • Fax (602) 426-1005 • 1 (800) 266-5411

Your Local Distributor:

WARRANTY: BPD warrants this product for eight (8) years from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

CGS-3 / CGS-3.3

CGS-3.5 / CGS-4

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY

CGS-3.5



COAST GUARD SHACK™

Never any sharp corners or edges; units are constructed of 304 Stainless Steel to exacting standards for lasting durability and lower maintenance costs. Pre-Manufactured Enclosure Pad bases shown throughout.

The Safe, Beautiful way to protect your 1½" - 2" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Constructed of 304 Stainless Steel for durability and low maintenance
- Entire unit sandblasted to remove all sharp edges and burrs typically found on SS expanded metal
- Electro Polish treatment for the best rust free protection-standard!
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the EncPad™ base
- FrostGuard™ Insulated Blanket available to protect assembly from occasional cold snaps

CGS-4

CGS-3



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BACKFLOW PREVENTION DEVICE ENCLOSURES

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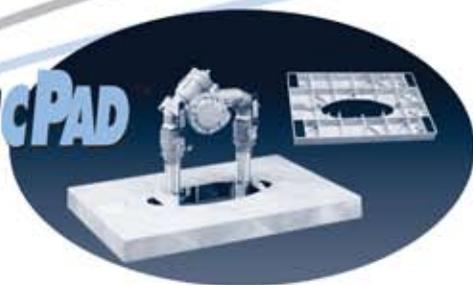
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WWW.BPDI.COM

SS HINGED MODELS

COAST GUARD SHACK

STAINLESS STEEL METAL ENCLOSURES

ENC PAD



FROST GUARD



304 Stainless Steel Coast GuardShack™ Hinged Enclosures 1½" - 2" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	WT	ENC PAD MODEL	ENC PAD DIMENSIONS	FROST GUARD MODEL	ALTERNATE CONCRETE PAD DIMENSIONS
CGS-3	12" w x 24" h x 42" l	10" w x 24" h x 40" l	49	EP-3	24" w x 48" l x 3" d	FG-3	20" w x 52" l
CGS-3.3	18" w x 30" h x 32" l	16" w x 30" h x 30" l	43.5	EP-3.3	24" w x 42" l x 3" d	FG-3.3	26" w x 40" l
CGS-3.5	18" w x 30" h x 42" l	16" w x 30" h x 40" l	51.5	EP-3	24" w x 48" l x 3" d	FG-3.5*	26" w x 52" l
CGS-4	18" w x 30" h x 48" l	16" w x 30" h x 46" l	81	EP-4	30" w x 60" l x 3" d	FG-4*	26" w x 58" l

The CGS-3, CGS-3.3, CGS-3.5 and CGS-4 are very popular members of BPD's small 304 stainless steel enclosure lineup. All 1½"-2" backflow assemblies fit inside these four rugged, yet attractive hinged models. These models are also very popular for enclosing solar & light powered timers, air/vacuum relief valves, gas valves and more. The CGS-3.3, CGS-3.5 and CGS-4 units are perfect for enclosing two backflow assemblies in the same enclosure which has the effect of reducing the relative cost of protecting each device by 50%. All tamper proof hardware is supplied with your unit.

Also Available for your SS Hinged Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's **better** than concrete. These Hinged enclosures install in less than 1 hour, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad, with a cut out to fit over an assembly. It uses the BPD **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and perfectly sized to fit inside your **GuardShack™** enclosure, (see above).
- **Lock Shield Brackets** Safeguards your padlock from bolt cutters. (see over)

FABRICATION SPECIFICATIONS:

1½" Sch 10 A.S.T.M.-A-312 Gr.A.E.W. 304 Stainless Steel pipe for end frames
 1" x 1" x 1/8" 304 Stainless Steel angle iron base raised 3/8" above slab.
 ½" #13 ga. diamond pattern flat rolled expanded 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity
 All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary somewhat due to the nature of sandblasting. All units given Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available

WARRANTY: BPD warranties this product for eight (8) years from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Backflow Assembly Sizing Chart

MODEL	CGS-3		CGS-3.5 / CGS-4	
	SIZE	LENGTH	SIZE	LENGTH
FEBCO 825Y	2"	31"	Two-2" RPs	31"
FEBCO 860	2"	31"	Two-2" RPs	31"
WATTS 009	1 ½"	29 ¼"	Two-2" RPs	34 ¾"
WATTS 909	2"	34 ¾"	2"	37"
	1 ½"	33"		
WILKINS 975/XL	2"	31 ¾"	Two-2" RPs	31 ¾"

NOTE: For all other 1 ½" - 2" assemblies see CGS-1 / CGS-2 Sizing Chart
 Use CGS-3.3 units for air vacuum relief valves, (through 2" in size), and for tall 825YA RPs
 Use CGS-3.3, CGS-3.5, and CGS-4 units when installing 2 assemblies side by side, or when extra height is required
 Use CGS-4 when installing a strainer, filter, or other items on a 1 ½" - 2" inline assembly



Backflow Prevention Device InnClosures

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www.bpd.com

Your Local Distributor:

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY

CGS-4.5



COAST GUARD SHACK

Never any sharp corners or edges; units are constructed of 304 Stainless Steel to exacting standards for lasting durability and lower maintenance costs. Pre-manufactured Enclosure Pads shown throughout.

The Safe, Beautiful way to protect your 2½"-4" backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Constructed of 304 Stainless Steel for durability and low maintenance
- Entire unit sandblasted to remove all sharp edges and burrs typically found on SS expanded metal
- Electropolish treatment for the best rust free protection available, standard
- 2-3 hours installation time, using our pre-manufactured Enclosure Pad, the **EncPad™**
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps

CGS-5



BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

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COAST GUARD SHACK

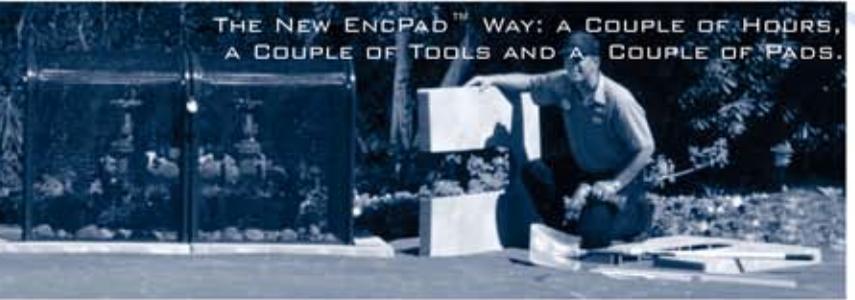
CGS-4.5 / CGS-5 / CGS-6

STAINLESS STEEL METAL ENCLOSURES

THE OLD WAY TO INSTALL LARGE ENCLOSURES:
LOTS OF TIME! TOOLS! AND MATERIALS.



THE NEW ENCPAD™ WAY: A COUPLE OF HOURS,
A COUPLE OF TOOLS AND A COUPLE OF PADS.



304 Stainless Steel GuardShack™ Clam Shell Enclosures for 2½" - 4" Standard Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	FROSTGUARD MODEL	ALT. CONCRETE PAD DIMENSIONS
CGS-4.5	18" w x 30" h x 66" l	16" w x 30" h x 64" l	2 pc. clamshell	EP-4.5	24" w x 84" l x 3" d	FG-4.5	26" w x 80" l
CGS-5	26" w x 40" h x 68" l	24" w x 40" h x 66" l	2 pc. clamshell	EP-5	36" w x 84" l x 3" d	FG-5	34" w x 88" l
CGS-6	26" w x 40" h x 82" l	24" w x 40" h x 80" l	2 pc. clamshell	EP-6	36" w x 96" l x 3" d	FG-6	34" w x 88" l

Backflow protection for large lines no longer has to be unsightly! The CGS-4.5, CGS-5 and CGS-6 enclosures are BPD's attractive, Stainless Steel 2 piece clam shell models for 2½" through 4" backflow assemblies. Besides offering great vandal protection, these beautifully designed enclosures gracefully enhance the appearance of any building they happen to be installed in front of. These units can also be used for enclosing valuable pumps, automatic control valves, etc. instead of constructing fenced-in compounds or underground vaults.

Also Available for your SS Clam Shell Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's **better** than concrete. Now Clam Shell enclosures install in just 2-3 hours, **without concrete**. The **EncPad™** is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type 2 piece plastic pad, with a cut out to fit over an assembly. It uses the BPD **PadLok™** anchoring system to securely clamp the pad to the pipe risers. The **EncPad™** removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your **GuardShack™** enclosure. Contact factory with assembly dimensions.
- **Lock Shield Brackets** - Designed to safeguard a unit from bolt cutters.

FABRICATION SPECIFICATIONS:

1½" Sch 10 A.S.T.M.-A-312 Gr.A.E.W. 304 Stainless Steel pipe for end frames
1" x 1" x 1/8" 304 Stainless Steel angle iron base, raised 3/8" off slab

½" #13 ga. diamond pattern flat rolled expanded 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity

All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products.

Finishes may vary somewhat due to the nature of sandblasting

Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available



3" WATTS 007DC WITH EP-5 ENCPAD™

WARRANTY: BPD warrants this product for eight (8) years from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Sizing Chart

MODEL	CGS-5	CGS-6
FEBCO 860		
2½"	51"	
3"	60"	
4"		68"
WATTS 009		
2½"	50"	
3"	52"	
WATTS 909		
2½"	58"	
3"	61"	
4"		77"
WILKINS 975		
2½"	54"	
3"	57"	
4"		72"

Notes:
Use CGS-4.5 units for lower 2½"-3" NRS RP's; also for extra long 2" RP's with strainers, filters, etc.
All lengths listed are outside dimensions using Ductile Iron Pipe.
All sizes fit NRS and OS&Y valves. Some OS&Y height tolerances are narrow.
See GS-NP and CGS-NP sheets for N Pattern Assembly sizing charts.
Larger SS enclosures available, special order



Backflow Prevention Device InnClosures

3831 E. Grove St. Phoenix, AZ 85040
(602) 426-1002 • Fax (602) 426-1005 • 1 (800) 266-5411

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY

CGS-M1 / CGS-M2

CGS-M3 / CGS-M4



CGS-M1

COAST GUARDSHACK

Never any sharp corners or edges; units are constructed of 304 Stainless Steel to exacting standards for lasting durability and lower maintenance costs. Pre-manufactured Enclosure Pad bases shown throughout.

The Safe, Beautiful way to protect your ½" -2" extra tall backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Constructed of 304 Stainless Steel for durability and low maintenance
- Entire unit sandblasted to remove all sharp edges and burrs typically found on SS expanded metal
- Electropolish treatment for the best rust free protection available, standard
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the **EncPad™**
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps



CGS-M1

BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

1.800.266.5411

SS TALL HINGED MODELS

COAST GUARDSHACK

STAINLESS STEEL METAL ENCLOSURES

EncPad



POWDERCOATED GS-M4
USED IN ILLUSTRATION
(RIGHT)

NOTE THAT THIS ENCLOSURE
COVERS AN ABOVE GROUND WATER
METER, AN RP ASSEMBLY & A
PRESSURE RELIEF VALVE



304 Stainless Steel GuardShack™ Enclosures for ½" - 2" Extra Tall Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	ENCLOSURE TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	ALTERNATE CONCRETE PAD DIMENSIONS
CGS-M1	18" w x 37" h x 20" l	16" w x 37" h x 18" l	Hinged w/Gate	EP-M1	30" w x 30" l x 3" d	26" w x 37" l
CGS-M2	18" w x 48" h x 20" l	16" w x 48" h x 18" l	Hinged w/Gate	EP-M1	30" w x 30" l x 3" d	26" w x 37" l
CGS-M3	18" w x 37" h x 41½" l	16" w x 37" h x 39½" l	Clamshell	EP-M3	30" w x 60" l x 3" d	26" w x 60" l
CGS-M4	18" w x 48" h x 41½" l	16" w x 48" h x 39½" l	Clamshell	EP-M4	30" w x 60" l x 3" d	26" w x 60" l

The CGS-M1 through the CGS-M4 Stainless Steel models allow complete vandal protection plus unlimited service technician access to your taller backflow assemblies. There's no tiny door or hinged top to have to squeeze an arm through to service the unit, nor do you need to have two people available to completely remove a bulky or heavy one piece enclosure from over the assembly any longer. The CGS-M1 and CGS-M2 units are also great for enclosing light powered timers and the CGS-M3 and GS-M4 units allow water purveyors the flexibility of installing a water meter upstream out of the ground and directly onto the riser of an RP assembly. This feature is also convenient for property owners and landscapers who wish to submeter an irrigation project to conserve water and save money.

Also Available for your CGS-M Series Model Enclosures:

- **EncPad™** Enclosure Pads-the pre-manufactured enclosure pad that's **better** than concrete. These style enclosures install in less than 1 hour, **without concrete**. The EncPad™ is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad, with a cut out to fit over an assembly. It uses the BPDl PadLok™ anchoring system to securely clamp the pad to the pipe risers. The EncPad™ removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your GuardShack™ enclosure. Contact factory with assembly dimensions.

Uses for CGS-M Series Enclosures

USES	CGS-M1	CGS-M2	CGS-M3	CGS-M4
Extra Tall ½"-2" PVBs	X	X		
Extra Tall ½"-2" RPs	X	X	X	X
Solar or Light Powered Controllers	X	X		
Above Ground Water Meters, Pumps, Filters, ACVs, Etc.			X	X

FABRICATION SPECIFICATIONS:

1¼" Sch 10 A.S.T.M.-A-312 Gr.A.E.W. 304 Stainless Steel pipe for end frames
1" x 1" x 1/8" 304 Stainless Steel angle iron base raised 3/8" above slab

½" #13 ga. diamond pattern flat rolled expanded 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity
All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary somewhat due to the nature of sandblasting. All units given Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available.



Backflow Prevention Device InnClosures

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www.bpdI.com

Your Local Distributor:

WARRANTY: BPDl warranties this product for eight (8) years from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPDl in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPDl reserves the sole right, at it's own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPDl be liable for any incidental or consequential damages what-so-ever.

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



CGS-NP-1

COAST GUARD SHACK™

Never any sharp corners or edges; units are constructed of 304 Stainless Steel to exacting standards for lasting durability and lower maintenance costs. Pre-manufactured Enclosure Pad bases shown throughout.

The Safe, Beautiful way to protect your 2½" - 4" NP Style backflow assemblies

- Rugged construction prevents vandalism and theft
- Unique, beautiful design safe for children & pedestrians
- Complete access for testing & service work
- Constructed of 304 Stainless Steel for durability and low maintenance
- Entire unit sandblasted to remove all sharp edges and burrs typically found on SS expanded metal
- Electropolish treatment for the best rust free protection-standard
- 2 hours installation time, using our pre-manufactured Enclosure Pad, the **EncPad™** base
- **FrostGuard™** Insulated Blanket available to protect assembly from occasional cold snaps



New Heavy Duty 3 Point Hinges, Standard!



CGS-NP-1

BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

COAST GUARD SHACK

ENC PAD



STAINLESS STEEL METAL ENCLOSURES

3" FEBCO 880 RP
W/ ENCPAD™ (RIGHT)

UNDERSIDE OF
EP-1 MODEL SHOWING
EXTENSIVE PAD
REINFORCEMENT (LEFT)



304 Stainless Steel GuardShack™ Enclosures for 2½" - 4" "N" Pattern Backflow Assemblies

MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	ALTERNATE CONCRETE PAD DIMENSIONS
CGS-NP-1	26" w x 40" h x 33¼" l	24" w x 40" h x 31¼" l	Hinged w/ Gate	EP-NP-1	36" w x 48" l x 3" d	32" w x 52" l
CGS-NP-1.5	26" w x 40" h x 40¼" l	24" w x 40" h x 38¼" l	Hinged w/ Gate	EP-NP-1.5	36" w x 60" l x 3" d	32" w x 58" l

Backflow protection for large lines no longer has to be unsightly! The CGS-NP-1 and CGS-NP-1.5 enclosures are BPD's attractive, 304 Stainless Steel hinged models with gates for 2½" through 4" "N" pattern backflow assemblies. The innovative one piece body with gate design is a BPD exclusive, and is our way of providing the service technician with unlimited access to the unit. Besides offering great vandal protection, these beautifully designed enclosures gracefully enhance the appearance of any building they are installed in front of. These units can also be used for enclosing valuable pumps, automatic control valves, etc. instead of constructing small fenced-in compounds or underground vaults. Larger Stainless Steel enclosures for 6"-10" units available; contact factory for details.

Also Available for your SS "N" Pattern Model Enclosures:

- **EncPad™** Enclosure Pads - The pre-manufactured enclosure pad that's **better** than concrete. Now "N" Pattern enclosures install in less than 2 hours, **without concrete**. The **EncPad™** is a heavily ribbed, yet lightweight and resilient UV stabilized meter box type 2 piece plastic pad, with a cut out to fit over an assembly. It uses the BPD **PadLock™** anchoring system to securely clamp the pad to the pipe risers. The **EncPad™** removes and replaces in just minutes in the case of a leak under the pad, and is virtually indistinguishable from actual concrete.
- **FrostGuard™** Insulated Blankets - Now in R-13 & R-30 models and custom sized to fit inside your **GuardShack™** enclosure. Contact factory with assembly dimensions.

FABRICATION SPECIFICATIONS:

1¼" Sch 10 A.S.T.M.-A-312 Gr.A.E.W. 304 Stainless Steel pipe for end frames
1" x 1" x 1/8" 304 Stainless Steel angle iron base, raised 3/8" off slab
½" #13 ga. diamond pattern flat rolled expanded 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity
All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary somewhat due to the nature of sandblasting. All Stainless Steel products given Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available

WARRANTY: BPD warrants this product for eight (8) years from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at it's own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

Assembly Sizing Chart

MODEL	CGS-NP-1	CGS-NP-1.5
FEBCO 880		
2½" NRS	X	
3" NRS	X	
4" NRS	X	
WATTS N995		
3" NRS		X
4" NRS		X
WILKINS 475		
4" NRS	X	

NOTE: For standard, in-line assemblies see appropriate brochure.
For larger SS enclosures contact factory.



Backflow Prevention Device InnClosures

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Your Local Distributor:

Powdercoated & 304 Stainless Steel Enclosures
for 1/2"-2" Backflow Assemblies

Backflow Prevention Device Enclosures

ECONO-CAGE™

"The Contractor's Cage"

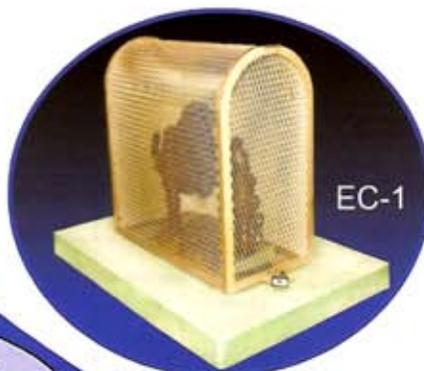


EC-1-SS

Economical and easy to install, but still beautiful and extremely rugged, this child-safe 1" rounded angle iron enclosure has no sharp corners and is constructed to BPDI's exacting quality control standards for lasting durability.

All EconoCage™ models have these features:

- A 1" Rounded Angle Iron Framework-light weight yet extremely strong.
- Child-Safe 1/2" diamond pattern expanded metal-protects small fingers.
- For stainless steel units: sandblasted expanded metal panels to remove sharp burrs and edges.
- Lowest ground clearance: only 3/8" clearance from slab to enclosure frame!
- All vandal resistant hardware included for any kind of installation, including EncPad™ bases, (shown throughout).
- Installs easily on a still wet concrete slab, (or even faster) installs in less than one hour with BPDI's premanufactured EncPad™ base.
- FrostGuard™ Insulated Blankets available for every enclosure size.



EC-1

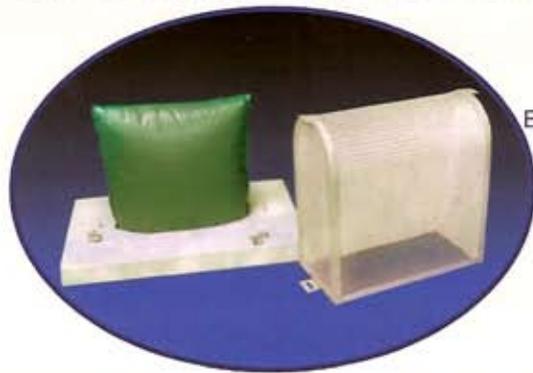


EC-3.5

BPDI

1-800-266-5411
www.bpdi.com

ECONO-CAGE™ ...by BPDI



EC-1-SS w/ FrostGuard Insulated Blanket



BPDI's 30" Tall Lift-off Enclosure, the EC-3.3 weighs only 38 lbs.

Powdercoated & Stainless Steel EconoCage Models For 1/2"-2" Backflow Assemblies

Econo-Cage™ Model	Style	Outside Dimensions W x H x L	Inside Dimensions W x H x L	wt lbs	Accessory Ordering Information		Alt. Concrete Pad Dim.
					Enc Pad™ Base	Frost Guard™ Blanket	
EC-1/EC-1-SS	Lift-Off	12" x 24" x 24"	10" x 24" x 23"	26	EP-1	FG-1	20" x 32"
EC-2/EC-2-SS	Lift-Off	12" x 24" x 32"	10" x 24" x 31"	33	EP-2	FG-2	20" x 40"
EC-3/EC-3-SS	Lift-Off	12" x 24" x 42"	10" x 24" x 41"	38	EP-3	FG-3	20" x 52"
EC-3.3/EC-3.3-SS	Lift-Off	15" x 30" x 32"	13" x 30" x 31"	38	EP-3.3	FG-3.3	20" x 40"
EC-3.5/EC-3.5-SS	Hinged	15" x 30" x 42"	13" x 30" x 41"	49	EP-3.5	FG-3.5	24" x 52"
EC-4/EC-4-SS	Hinged	15" x 30" x 48"	13" x 30" x 47"	52	EP-4	FG-4	24" x 58"

The EconoCage™, is the most compact and least expensive enclosure available on the market today. BPDI's smallest Lift-Off unit, the 24" L EC-1, encloses 15 different makes and models of assemblies. Using the smallest possible hinged enclosures made by our leading competitor to cover the same backflow assemblies would require cages with a minimum length of 42" and would be much more expensive to purchase and install.

For protection from bolt cutters, order optional Lock Shield Brackets.

Standard Powdercoat colors are Forest Green and Woodlands Tan.

FABRICATION & POWDERCOATED SPECIFICATIONS:

1" x 1" x 1/8" Rounded Angle Iron Framework (304 SS for SS models); 1/2" #13Ga, diamond pattern flat rolled expanded metal (304 SS, Sandblasted, for SS models); All welded construction 4" o/c max. **For powder coated models:** State-of-the-Art aeronautics industry five step metal cleaning process and iron phosphate solution treatment. Units preheated before applying 2.0-4.0 mil thickness polyester powder to A.S.T.M. D-2794 Impact Resistant and A.S.T.M. D-3559 Adhesive Specifications.

WARRANTY: BPDI warrants this product for one (1) year from date of purchase, [five (5) years in the case of 304 SS material], to be free of factory defects in material and workmanship. All claims must be made to BPDI in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPDI reserves the sole right, at it's own option, to repair or replace any defective product, and shall excluding any damage caused by accident, misuse or abuse of the product. In no case shall BPDI be liable for any incidental or consequential damages what so ever. All specifications subject to change without notice.



Backflow Prevention Device InnClosures
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Backflow Assembly Sizing Chart

24"H =	EC-1		EC-2		EC-3	
30"H =	N/A		EC-3.3		EC-3.5	
Model	Size	L	Size	L	Size	L
Wilkins 975	3/4	19 1/2	1 1/4	27 1/2	2	31 3/4
	1	21	1 1/2	28 1/2		
Watts 009	3/4	19 1/4	1	24 3/4	1 1/2	29 1/4
			1 1/4	28	2	34 3/4
Watts 009 UA	3/4-1	16 1/2	2	24 1/2		
	1 1/2	20				
Watts 909			3/4	24 3/4	1 1/4	31 1/4
			1	25 1/4	1 1/2	33
Febco 825Y	3/4	19 1/2	1 1/4	24 1/2	2	31
	1	20 3/4	1 1/2	28 1/4		
Febco 825YA	3/4-1	10 1/4				
	1 1/2-2	14 3/4				
Febco 860	3/4	18 1/4	1 1/4	26 1/2	2	31
	1	20 1/2	1 1/2	28		
Con-braco 40-200	3/4	21 1/4	1	23 1/2	1 1/2	32
			1 1/4	28	2	35
All PVBs	3/4-2" PVB's to 24" H use EC-1		3/4-2" PVB's to 30" H use EC-3.3		Use EC-4 for 2" Watts 909	

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



ENC PAD

Never any concrete to pour or finish, never a second trip to the jobsite; designed for durability and lower installation and maintenance costs™

The Pre-manufactured Enclosure Pad that's better than concrete!

- Heavily ribbed, rugged construction withstands the elements and vandalism equally well
- Constructed of ultra tough, yet resilient UV stabilized lightweight meter box type plastic
- Virtually indistinguishable from actual concrete
- Extensively field tested for long term reliability
- Install small enclosures in only one hour, from start to finish; large enclosures in only 2-3 hours
- PadLok™ anchoring system eliminates the need for concrete completely
- EncPad™ bases and enclosures remove and replace in minutes in case of line break under pad
- **DESIGNED FOR ALL GUARDSHACK™, SS COASTGUARDSHACK™, ECONO-CAGE™ AND ALL SS ECONO-CAGE™ MODELS**

PRE-MANUFACTURED ENCLOSURE PADS



BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

ENC PAD™

ENCLOSURE PADS

THE OLD WAY TO INSTALL LARGE ENCLOSURES:
LOTS OF TIME, TOOLS AND MATERIALS.



THE NEW ENCPAD™ WAY: A COUPLE OF HOURS,
A COUPLE OF TOOLS AND A COUPLE OF PADS.



The EncPad™ pre-manufactured enclosure pad is truly a revolutionary idea in the enclosure industry. By replacing the old fashioned concrete pad with the pre-manufactured EncPad™ most of the unpleasant aspects of enclosure installations have been eliminated, including:

- The hardware store trip for concrete and form lumber
- All concrete tools, wheel barrow, electric drill, etc.
- The labor hours to form, pour and finish the concrete
- A second trip to the job site to drill concrete anchors
- The cement truck and crew needed for larger pads

The EncPad™ can dramatically lower the cost of any installation, since the labor savings are tremendous. For example, looking at some typical enclosure installations from start to finish, (including even the fine grading of the site), typical installation labor and labor savings would be:

Model	All Labor w/ Concrete Pad	All Labor w/ EncPad™	Approx. Labor Savings	Labor Savings \$ 30/hour
GS-1	4 hours	¾ hour	3¼ hours	\$ 98
GS-4	5 hours	1 hour	4 hours	\$ 120
GS-7	18 hours	2½ hours	15½ hours	\$ 465

Using EncPad™ bases it's now possible for one worker alone to install up to 12 enclosures in one day without any special tools or training. But the EncPad™ is more than just a quantum leap in labor savings or a new product to promote to customers. The EncPad™ is in many respects a better, more uniform product over the traditional concrete pad. An EncPad™ installation is always a professional looking job. The enclosure and the base can be easily removed and then quickly replaced in the case of a trench settlement or a line leak. Neither is product strength an issue either. The heavily ribbed base will withstand any load that your GuardShack™ enclosure will take (over 300lbs./SFT in the case of the GS-1 enclosure, for example). And BPD's exclusive PadLok™ anchoring system securely locks the pad to the pipe risers so that the base cannot be lifted or moved. Once unit is installed in place the center slot in the base can be filled with river rock, bark or gravel (or even filled in with a thin layer of concrete or grout to make the pad completely indistinguishable from concrete). And EncPad™ kits conveniently include all PadLok™ anchoring hardware needed to finish your installation.

EncPad™ Sizing Chart

MODEL	TYPE	FITS GUARDSHACK™ / COAST GUARDSHACK™	ENC PAD™ DIMENSIONS*	MINIMUM CLEARANCES**	
				INLINE	PERPENDICULAR
EP-5	1 pc	GS-.5 / CGS-.5	24" w x 24" l	8"	8"
EP-1	1 pc	GS-1 / CGS-1 / EC-1	24" w x 36" l	8"	11"
EP-2	1 pc	GS-2 / CGS-2 / EC-2	24" w x 42" l	8"	11"
EP-3	1 pc	GS-3 / CGS-3 / CGS-3.5/EC-3/EC-3.5	24" w x 48" l	8"	11"
EP-3.3	1 pc	GS-3.3 / CGS-3.3 / EC-3.3	24" w x 48" l	8"	11"
EP-4	2 pc	GS-4 / CGS-4 / EC-4	30" w x 60" l	8"	11"
EP-5	2 pc	GS-5 / CGS-5	36" w x 84" l	9"	15"
EP-6	2 pc	GS-6 / CGS-6	36" w x 96" l	8"	13"
EP-7	2 pc	GS-7 / CGS-8	50" w x 120" l	11"	20"
EP-9***	3 pc	GS-9	50" w x 180" l	11"	20"
EP-10***	4 pc	GS-10	50" w x 240" l	11"	20"
EP-M1	1 pc	GS-M1/M2 / CGS-M1/M2	30" w x 30" l	8"	11"
EP-M3	2 pc	GS-M3/M4 / CGS-M3/M4	30" w x 60" l	8"	11"
EP-NP-1	2 pc	GS-NP-1 / CGS-NP-1	36" w x 48" l	11"	15"
EP-NP-1.5	2 pc	GS-NP-1.5 / CGS-NP-1.5	36" w x 60" l	11"	15"
EP-NP-2	2 pc	GS-NP-2 / NP-3	48" w x 72" l	11"	20"

* All EncPads™ are 3" in depth; Econo-Cage™ & SS Econo-Cage™ EncPad™ sizes are identical

** Inline Clearance: min. clearance needed from the meter for units installed inline with meter or line

** Perpendicular Clearance: min. clearance needed from the meter for units installed perpendicular to meter or line

*** GS-9 and GS-10 EncPad™ base max length shown. Contact factory to order EncPad™ of shorter length

EncPad™ / PadLok™ PRODUCT SPECIFICATIONS

Lightweight, nestable, stacking, impact resistant and textured 3" deep pads, (surface deck 5/16" thickness)
Pads are constructed of monolithic structural foam, molded from polyolefin plastic with ultraviolet stabilization and anti-oxidant properties, (some EncPad™ kits utilize two or more pads). Corner "feet" to discourage pad setting. Pads will not chip and will withstand abuse from gas powered lawn edgers
Full depth, 3/8" thick monolithic reinforcing ribs, formed 6" on centers, maximum
EncPads™ accept self tapping screws and bolts for hinges and PadLok™ equipment. Hinge areas reinforced as needed.
Anchor bolts for standard locking brackets and Lock Shield Brackets fastened completely through reinforcing ribs so that they cannot be pulled out.
For EncPads™ constructed of two or more sections, all powdercoated pre-drilled angle iron frame construction used for securely joining sections together.
Each EncPad™ comes complete with PadLok™ anchoring kit hardware, designed to secure the pad to any backflow assembly that might fit into the enclosure. PadLok™ hardware fastens the EncPads™ securely by clamping around the assembly risers.



Backflow Prevention Device InnClosures

3831 E Grove St. Phoenix, AZ 85040
(602) 426-1002 • Fax (602) 426-1005 • 1 (800) 266-5411
www.bpd.com

Your Local Distributor:



WARRANTY: BPD warrants this product for one (1) year from date of purchase to be free of defects in material and workmanship. All claims must be made known to BPD in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPD reserves the sole right, at its own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPD be liable for any incidental or consequential damages what-so-ever.

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Oyster White and Sprinkler Clock Grey.

CLOCKGUARD™

The Safe, Beautiful way to protect your wall mounted controller or backflow assembly

- Rugged construction prevents vandalism and theft. Internally mounted hinges protect from vandals
- Unique, beautiful design safe for children & pedestrians
- Complete access for programming & service work
- Open strip under the unit allows access for power and controller wiring
- Powder coated for durability and low maintenance
- Stainless steel models also available
- Installation takes just minutes

BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

WALL MOUNTED TIMER MODELS

CLOCKGUARD

POWDER-COATED METAL ENCLOSURES

CG-1 / CG-2

ClockGuard™ Enclosures for Wall Mounted Sprinkler Controllers

MODEL	CLOCKGUARD SIZE	SPRINKLER CONTROLLER USES	BACKFLOW ASSEMBLY USES	MISCELLANEOUS OTHER USES
CG-1	12" l x 12" h x 6½" d	Small Controllers*	½" - ¾" PVBs	Transformers, Outdoor Light, Pool & Pump Timers, etc.
CG-2	18" l x 15" h x 7½" d	Larger or Deeper Controllers*	½" - ¾" RPs	Spotlights, also Multiple Items as listed above

* General guideline only. Always measure the exact outside dimensions of your controller when sizing your ClockGuard™ Enclosure
Ideal for Apartment houses, Schools, Public housing, Parks, Shopping Centers or anywhere the general public has access to your controller

The ClockGuard™ Wall Mounted Enclosure is the safe, attractive way to protect wall mounted sprinkler controllers and small backflow assemblies installed against walls. The clean, no-nonsense lines and rounded corners not only provide vandalism and theft protection, but also safeguard passing pedestrians (especially since these items are occasionally installed at head height).

With the two sizes of enclosures offered above BPD I has a standard unit available for virtually all wall mounted timers. Hinges can be installed either on the inside of the unit or on the outside, and tamper proof mounting hardware is provided. Units come hinged on the right side, standard.

The ClockGuard™'s padlock feature is especially important to maintenance personnel at large apartment or town home projects who wish to keep unauthorized people from adjusting their timers.

Special Order ClockGuard™ enclosures are available as well. Ordering the ClockGuard™ with a finer expanded metal mesh pattern allows wall mounted lights, spot lights, emergency lights and various signs to be safely enclosed. Large, cabinet style, two piece enclosures are also available as special orders to enclose larger backflow assemblies, gas meters and various valves and fixtures located next to walls. Consult the factory for special order details, pricing and delivery.



FABRICATION SPECIFICATIONS:

½" x ½" x 1/8" steel angle iron frame
 ½" #13 ga. diamond pattern flat rolled expanded steel with all welded construction 2" O/C
 Expanded metal die formed for uniformity

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
 Units preheated before applying 1.5-2.0 mil thickness polyester powder to A.S.T.M. D-2794 Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications



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Your Local Distributor:

AIR/VACUUM RELIEF VALVE ENCLOSURES

VANDAL & THEFT RESISTANT ENCLOSURES THAT WORK BEAUTIFULLY



AVRV ENCLOSURES

Never any sharp corners or edges; always powder coated to exacting standards for lasting durability and lower maintenance costs. Standard colors include our High Gloss Forest Green and Woodland Tan colors. Pre-manufactured EncPad™ Enclosure bases shown throughout.

AVRV MODELS

GuardShack™ - The Safe, Beautiful way to protect your Air/Vacuum Relief Valve

- Rugged construction prevents vandalism and theft at a fraction of the cost of traditional designs
- Unique, beautiful design safe for children & pedestrians
- Complete access for service work
- All units constructed of either Powdercoated carbon steel or 304 Stainless Steel
- 1 hour installation time, using our pre-manufactured Enclosure Pad, the EncPad™ base
- Never any equipment or excavation needed to service your Air/Vacuum Relief Valves
- FrostGuard™ Insulated Blankets allow valves to be installed above ground even in colder climates



BPDI

BACKFLOW PREVENTION DEVICE ENCLOSURES

GUARDSHACK: THE SHAPE OF THINGS TO COME.

1.800.266.5411
WWW.BPDI.COM

AVRV ENCLOSURES



Powdercoated and Stainless Steel GuardShack™ Enclosures for Air/Vacuum Relief Valves

PC MODEL	SS MODEL	CENTERLINE DIMENSIONS	INSIDE DIMENSIONS	TYPE	ENCPAD MODEL	ENCPAD DIMENSIONS	FROSTGUARD MODEL	ALT. CONCRETE PAD DIMENSIONS
GS-1	CGS-1	12" w x 24" h x 24" l	10" w x 24" h x 22" l	Lift Off	EP-1	24" w x 36" l x 3" d	FG-1	20" w x 32" l
GS-3.3	CGS-3.3	18" w x 30" h x 32" l	16" w x 30" h x 30" l	Hinged	EP-3.3	24" w x 42" l x 3" d	FG-3.3	26" w x 42" l
GS-NP-1	CGS-NP-1	26" w x 40" h x 33 1/4" l	24" w x 40" h x 31 1/4" l	Hinged w/ Gate	EP-NP-1	36" w x 48" l x 3" d	Custom	32" w x 52" l

Traditionally Air/Vacuum Relief Valves have been protected in several ways. Often an above ground large diameter steel pipe of heavy wall construction has a lid welded to it with numerous small air holes punched throughout. Other designs bury the valve or install it in a small vault, with only the vent piping exposed above ground. All of these designs are expensive to build and expensive to service, often involving a backhoe or other equipment, plus a small crew. And any vent piping left above ground is often a dangerous trip hazard.

BPDI's new line of Air/Vacuum Relief Valves solve all these problems. Our enclosures are extremely sturdy, visually appealing and installation costs are just a fraction of the cost of the traditional designs mentioned above. Plus, all **GuardShack™** enclosures allow unlimited one-person access for servicing the units so no excavation, heavy equipment or crew of maintenance workers is ever needed. And lastly, BPDI's **GuardShack™** enclosures serve to eliminate trip hazards, not cause them. Use the lift off GS-1 or the hinged GS-3.3 for single valves up to 2" in size, or the GS-NP-1 model for multiple valves or taller installations. These three models are also available in 304 Stainless Steel construction as well, as listed above, [see **Coast GuardShack™** designations, (CGS-1, etc.), above].

Also Available for your AVR Model Enclosures:

- **EncPad™** Enclosure Pads- The pre-manufactured enclosure pad that's **better** than concrete. Enclosure installation times for the models above vary from 45 minutes for the GS-1 **EncPad™** to only 2 hours for the GS-NP-1 **EncPad™**. The **EncPad™** is BPDI's heavily ribbed, yet lightweight and resilient UV stabilized meter box type plastic pad which is virtually indistinguishable from actual concrete. All **EncPad™** bases have a slot cut out for your valve and utilized BPDI's revolutionary **PadLok™** anchoring system to secure the pad to the pipe riser underneath the valve.
- **FrostGuard™** Insulated Blankets- Now in R-13 and R-30 models and sized perfectly to fit in your **GuardShack™** Enclosure.

FABRICATION SPECIFICATIONS:

1 1/4" Sch 40 A.S.T.M.-A-53 Gr.A.E.W. Steel pipe or 304 Sch10 Stainless Steel pipe for end frames
 1" x 1" x 1/8" Steel or 304 Stainless Steel angle iron base, raised 3/8" above slab
 1/2" #13 ga. diamond pattern flat rolled expanded steel or 304 Stainless Steel with all welded construction 4" O/C. Expanded metal die formed for uniformity
 All Stainless Steel products sand blasted to remove the sharp edges and burrs inherent to all SS expanded metal products. Finishes may vary somewhat due to the nature of sandblasting. All Stainless Steel products are given Electro Polish treatment to draw out the (rustable) free carbon from enclosure surfaces for the best possible rust free finish available

POWDER COAT SPECIFICATIONS:

State-of-the-art five part metal cleaning process and iron phosphate solution treatment
 Units preheated before applying 1.5-2.0 mil thickness Polyester powder to A.S.T.M. D-2794 Impact Resistant Specifications and A.S.T.M. D-3559 Adhesive Specifications

WARRANTY: BPDI warrants all powdercoated products for one (1) year from date of purchase to be free of defects in material and workmanship. Powdercoat warranty void if excessive amounts of lawn sprinkler water, especially reclaimed water, or salt spray consistently cover the powdercoated surface. Consult factory for other options in these cases. SS models or powdercoated models with zinc underplating are available & recommended in these cases. BPDI warrants all 304 stainless steel products for eight (8) years. All claims must be made known to BPDI in writing within 30 days of the defect becoming known to the purchaser. There are no warranties that extend beyond those described herein, either expressed or implied. BPDI reserves the sole right, at it's own option, to repair or replace any defective product, and shall exclude any damage caused by accident, misuse or abuse of the product. In no case shall BPDI be liable for any incidental or consequential damages what-so-ever.



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