

Enclosure Selection-By Pipe Size

If you only know your pipe size because the valve manufacturer and type has yet to be determined, the chart below can help you select a Hot Box® Enclosure. Please note that the Hot Box Select-A-Box tool can potentially provide a better fit, and one of the Hot Box Select Six can cover a wider range of pipe sizes and valves types.

Backflow Preventer (Straight) Sizing Guide by pipe size								
		Standard HotBox Enclosure 12" bottom clearance		Standard HotBox Enclosure 18" bottom clearance		Standard HotBox Enclosure 30" centerline		
Pipe Size		Quarter Turn		Quarter Turn		Quarter Turn		Excluded bfp's
0.75	Part No. Model No.	HD/HF013027023 DF1/HB1		HD/HF013027035 DF1T/HB1T		HD/HF013027035 DF1T/HB1T		
1	Part No. Model No.	HD/HF013027023 DF1/HB1		HD/HF013027035 DF1T/HB1T		HD/HF013039036 DF2T/HB1T		
1.25-1.50	Part No. Model No.	HD/HF013039028 DF2/HB2		HD/HF013039036 DF2T/HB2T		HD/HF013039036 DF2T/HB2T		
2	Part No. Model No.	HD/HF013039028 DF2/HB2		HD/HF013039036 DF2T/HB2T		HD/HF013039036 DF2T/HB2T		
Pipe Size		NRS		OS&Y		NRS		OS&Y
2.5	Part No. Model No.	HD/HE/HF026070045 DF3N/EZ3/HB3N	HD/HE/HF026070045 DF3N/EZ3/HB3N	HD/HE/HF026070045 DF3N/EZ3/HB3N	HA/HD/HF026070055 HB3E-AL/DF3E/HB3E	HD/HE/HF026070045 DF3N/EZ3/HB3N	HA/HD/HF026070055 HB3E-AL/DF3E/HB3E	909RPDA (LA045072052)
3	Part No. Model No.	HD/HE/HF026070045 DF3N/EZ3/HB3N	HD/HE/HF026070045 DF3N/EZ3/HB3N	HD/HE/HF026070045 DF3N/EZ3/HB3N	HA/HD/HF026070055 HB3E-AL/DF3E/HB3E	HD/HE/HF026070045 DF3N/EZ3/HB3N	HA/HD/HF026070055 HB3E-AL/DF3E/HB3E	909RPDA (LA045072052)
4	Part No. Model No.	HA/HD032090050 HB4N/DF4N	HA/HD032090057 HB4E/DF4E	HA/HD032090050 HB4N/DF4N	HA/HD032090057 HB4E/DF4E	HA/HD032090057 HB4E/DF4E	HA/HD032090057 HB4E/DF4E	909RPDA (HA051096067) 350AST OSY (HA045072060)
6	Part No. Model No.	HA036105053 HB6N	HA036105053 HB6N	HA036105053 HB6N	HA036105064 HB6E	HA036105053 HB6N	HA036105064 HB6E	
8	Part No. Model No.	HA040118058 HB8N	HA040118074 HB8E	HA040118058 HB8N	HA040118074 HB8E	HA040118058 HB8N	HA040118074 HB8E	909RPDA (HA054153075)
10	Part No. Model No.	HA042142065 HB10N	HA042142085 HB10E	HA042142085 HB10E	HA042142085 HB10E	HA042142085 HB10E	HA042142085 HB10E	

Backflow Preventer (N pattern) Sizing Guide by pipe size								
		Standard HotBox Enclosure 12" bottom clearance		Standard HotBox Enclosure 18" bottom clearance		Standard HotBox Enclosure 30" centerline		
Pipe Size		NRS		OS&Y		NRS		OS&Y
2.5	Part No. Model No.	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	n/a	n/a	
3	Part No. Model No.	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	n/a	n/a	
4	Part No. Model No.	HD/HM041041045 DF4FE/HB4FEM	HD/HM041041045 DF4FE/HB4FEM	HA/HD/HM047047049 DF6FE/HB6FEM	HA/HD/HM047047049 DF6FE/HB6FEM	n/a	n/a	
6	Part No. Model No.	HD/HM053053056 DF8FE/HB8FEM	HD/HM053053056 DF8FE/HB8FEM	HD/HM053053056 DF8FE/HB8FEM	HD/HM053053056 DF8FE/HB8FEM	n/a	n/a	
8	Part No. Model No.	HA045072060 HB8000ANT	HA065072060 HB8000AET	HA051096067 HB8FN-DT	HA051096067 HB8FN-DT	n/a	n/a	
10	Part No. Model No.	HA045082062 HB6FN-DT	HA071105064 HB6E-D	HA071105064 HB6E-D	HA071105064 HB6E-D	n/a	n/a	450OSY (HA083123074) 475OSY (HA083123074)

The above enclosures are based from the largest backflow device for each pipe size unless listed in the "Excluded bfp's" column. Sizing verification is ultimately the responsibility of the customer. For the unheated version replace the Hotbox part number prefix "H" with an "L".

Part numbering system: Prefix x Width x Length x Height

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|-----------------------------------|------------------------------------|
| Prefix Definition: (digits 1 & 2) | |
| HA Heated Sectional Aluminum | LA Unheated Sectional Aluminum |
| HD Heated Durafold Aluminum | LD Unheated Durafold Aluminum |
| HE Heated Drop Over Fiberglass | LE Unheated Drop Over Fiberglass |
| HF Heated Fliptop Fiberglass | LF Unheated Fliptop Fiberglass |
| HM Heated Designer Series | LM Unheated Designer Series |
| HP Heated Polyethylene drop over | LP Unheated Polyethylene drop over |

Note: The enclosure recommendations are based on the largest backflow device for each pipe size unless listed in the "Excluded bfp's" column. Sizing verification is ultimately the responsibility of the customer. Customers are also responsible for verifying the clearances meet all local code requirements.



Single Aluminum

- **Quick & Easy Installation** - Modular design with a maximum of 4 tongue and groove sections.
- **Easy Access** - Lightweight removable doors can easily be removed by one person.
- **Peace of Mind** - ASSE 1060 certification ensures that requirements for structural strength, drainage capacity, material construction, equipment access, and functional design are met.
- **Superior Freeze Protection** - Insulation will not sag or delaminate from the walls due to the strong chemical bond between the aluminum and insulation. Wall-mounted heaters are installed above the discharge point to provide better long-term performance and safety.
- **Finish Options** - Stucco embossed aluminum is standard. Also available in a smooth mill finish aluminum or optional colors (see page 49 for details).



For unheated units, replace the “H” in the part# with an “L”. Pad size=inside Dimensions + 12”.

Catalog Part Number	Model Number	Inside Width (in)	Inside Length (in)	Inside Height (in)	Heater(s)	Sections	Weight #
HA026070055	HB3E-AL	26	70	55	(1) 1500W	2	152
HA026083055	HB3ES-AL	26	83	55	(1) 1500W	2	168
HA032090050	HB4N	32	90	50	(1) 1900W	2	178
HA032090057	HB4E	32	90	57	(1) 1900W	2	192
HA032102050	HB4NS	32	102	50	(1) 1900W	2	192
HA032102057	HB4ES	32	102	57	(1) 1900W	2	209
HA033053044	HB4000AN	33	53	44	(1) 1000W	2	121
HA036105053	HB6N	36	105	53	(1) 1900W	2	209
HA036105064	HB6E	36	105	64	(2) 1500W	2	238
HA036105080	HB6ET	36	105	80	(2) 1500W	2	278
HA036125053	HB6NS	36	125	53	(2) 1500W	4	266
HA036125064	HB6ES	36	125	64	(2) 1500W	4	299
HA039062046	HB6000AN	39	62	46	(1) 1500W	2	155
HA040118058	HB8N	40	118	58	(2) 1500W	2	266
HA040118074	HB8E	40	118	74	(2) 1500W	2	312
HA040142058	HB8NS	40	142	58	(2) 1500W	4	311
HA040142074	HB8ES	40	142	74	(2) 1900W	4	363
HA042142065	HB10N	42	142	65	(2) 1500W	4	342
HA042142085	HB10E	42	142	85	(2) 1900W	4	404
HA042172065	HB10NS	42	172	65	(2) 1900W	4	392
HA042172085	HB10ES	42	172	85	(2) 1900W	4	469
HA044053044	HB4000AE	44	53	44	(1) 1000W	2	147
HA045072052	HB8000AN	45	72	52	(2) 1000W	2	197
HA045072060	HB8000ANT	45	72	60	(2) 1000W	2	235
HA047047049	HB6FE-AL	47	47	49	(1) 1500W	2	149
HA053053056	HB8FE-AL	53	53	56	(1) 1500W	2	183
HA053062046	HB6000AE	53	62	46	(1) 1500W	2	175
HA054062056	HB10FE-AL	54	62	56	(1) 1900W	2	197
HA065072052	HB8000AE	65	72	52	(2) 1000W	2	224
HA065072060	HB8000AET	65	72	60	(2) 1000W	2	244

For unheated units, replace the “H” in the part# with an “L”. Pad size=inside Dimensions + 12”.

