

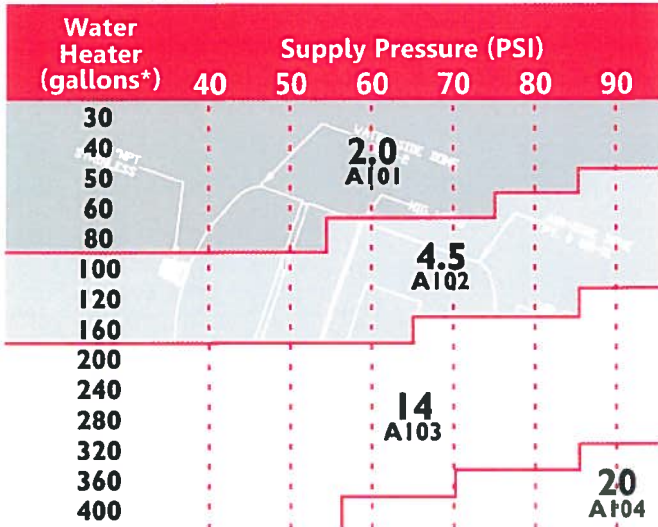
SIZING CHART

STORAGE TANK (GAL.)	TOTAL SYSTEM (GAL.)	120°F DESIGN TEMP		140°F DESIGN TEMP		160°F DESIGN TEMP		80 PSI DESIGN TEMP	
		60 PSI MODEL	80 PSI MODEL	60 PSI MODEL	80 PSI MODEL	60 PSI MODEL	80 PSI MODEL	60 PSI MODEL	80 PSI MODEL
120	170	AC 5	AC 20	AC 20	AC 20	AC 30	AC 42	AC 30	AC 42
200	250	AC 12	AC 30	AC 20	AC 42	AC 30	AC 42	AC 30	AC 60
300	350	AC 20	AC 30	AC 30	AC 42	AC 30	AC 80	AC 42	AC 80
400	475	AC 30	AC 42	AC 30	AC 80	AC 30	AC 100	AC 60	AC 125
500	575	AC 30	AC 42	AC 42	AC 100	AC 42	AC 100	AC 80	AC 125
600	700	AC 30	AC 60	AC 60	AC 100	AC 60	AC 100	AC 80	AC 160
750	850	AC 30	AC 80	AC 60	AC 125	AC 60	AC 125	AC 100	AC 210
1000	1150	AC 42	AC 100	AC 100	AC 180	AC 100	AC 180	AC 125	(2) AC 125
1250	1400	AC 60	AC 125	AC 100	AC 210	AC 100	AC 210	AC 160	(2) AC 160
1500	1650	AC 80	AC 125	AC 125	AC 125	AC 125	(2) AC 125	AC 180	(2) AC 180
2000	2175	AC 100	AC 180	AC 160	AC 160	AC 160	(2) AC 160	(2) AC 125	(3) AC 160
3000	3200	AC 125	(2) AC 125	(2) AC 125	(3) AC 160	(2) AC 125	(3) AC 160	(2) AC 180	(4) AC 180
4000	4250	AC 180	(2) AC 180	(2) AC 160	(3) AC 210	(2) AC 160	(3) AC 210	(3) AC 160	CALL
5000	5250	AC 210	(2) AC 210	(2) AC 210	(4) AC 210	(2) AC 210	(4) AC 210	(3) AC 210	CALL

Instructions

1. Determine total system volume (column two provides estimates based on water heater size).
2. Determine design temperature.
3. Determine design pressure.
4. Match Total System Gallons with Design Temperature and Design Pressure to determine correct model

TANK QUICK SIZING GUIDE



*For multiple heaters, use the total volume of the heaters plus any storage tanks.



See Page 2 for part information

HYDRONIC TANK QUICK SIZING GUIDE

Net Output in 1000's of BTU per Hour	Finned Tube Baseboards or Radiant Panels	Convectors or Unit Heaters	Cast Iron Radiators	Cast Iron Baseboards
25	H15	H15	H15	H15
50	H15	H15	H30	H30
75	H30	H30	H30	H60
100	H30	H30	H60	H60
125	H30	H60	H60	H90
150	H30	H60	H90	H90
175	H60	H60	H90	H90
200	H60	H60	H90	H90
250	H60	H90	H90	CALL
300	H90	H90	H90	CALL
350	H90	H90	CALL	CALL
400	H90	CALL	CALL	CALL



See Page 4 for part information



CONTACT INFORMATION

ABOUT BACKSTOP®

BackStop® Products are an integral part of a complete line of gas and water flex, connectors, and specialty plumbing items from DuraTrac, LLC headquartered in Brea California.

For ordering details, to locate a dealer, or for product warranty information, please call customer service at 1-866-678-8214 or visit us online at www.backstop.net.





TANK CROSS REFERENCE MODEL SELECTION GUIDES

THERMAL EXPANSION See page 2 for product details

A SERIES		Amtrol	AO Smith	B&G	ELBI	Flexcon	State	Sparco	Watts	Wessels	Wilkins
Gal.	BackStop®										
2	A101	ST-5	PSC-2X	PT-5	DXT-8	WH-8	ETC-2X	TX-5	DET-5	TXC-5	XT-8
4.5	A102	ST-12	PSC-5X	PT-12	DXT-18	WH-18	ETC-5X	TX-12	DET-12	TXC-12	XT-18
14	A103	ST-30V	PSC-14	PT-30V	-	WH-50V	ETC-15	TX-30V	DET-30	TXC-30V	WXTP-50V
20	A104	ST-42V	PSC-20	PT-42V	-	WH-75V	ETC-20	TX-42V	-	-	WXTP-75V
20	A104M	ST-60V	PSC-36S	PT-60V	-	WH-120V	ETC-36	TX-60V	-	-	WXTP-120V
44	A106M	ST-80V	PSC-36S	PT-80V	-	WH-165V	-	TX-80V	-	-	WXTP-165V

ASME EXPANSION See page 3 for product details

AC SERIES		Amtrol	Flexcon	Watts	Wessels	Wilkins
Gal.	BackStop®					
3.5	AC5	ST-5-C	FTTA-5	DETA-5	TTA-5	WTTA-5
5	AC12	ST-12-C	FTTA-12	DETA-12	TTA-12	WTTA-12
8	AC20	ST-20V-C	FTTA-20	DETA-20	TTA-20	WTTA-20
15	AC30	ST-30V-C	FTTA-30	DETA-30	TTA-30	WTTA-30
22	AC42	ST-42V-C	FTTA-42	DETA-42	TTA-42	WTTA-42
25	AC60	ST-60V-C	FTTA-60	DETA-60	TTA-60	WTTA-60
35	AC80	-	FTTA-80	DETA-80	TTA-80	WTTA-80
45	AC100	-	FTTA-100	DETA-100	TTA-100	WTTA-100
60	AC125	ST-80V-C	FTTA-125	DETA-125	TTA-125	WTTA-125
70	AC160	ST-120V-C	FTTA-160	DETA-160	TTA-160	WTTA-160
80	AC180	ST-180V-C	FTTA-180	DETA-180	TTA-180	WTTA-180
90	AC210	ST-180V-C	FTTA-180	DETA-180	TTA-180	WTTA-180

ASME HYDRONIC

HC SERIES		Amtrol	Elbi
Gal.	BackStop®		
8	HC15	AX-15	HTS-30
11	HC20	AX-20	HTS-45
25	HC40	AX-40	HTS-100
35	HC60	AX-60	HTS-140
45	HC80	AX-80	HTL-170
60	HC100	AX-100	HTL-200
70	HC120	AX-120	HTL-200
80	HC144	AX-144	HTL-300
90	HC180	AX-180	HTL-400
115	HC200	AX-200	HTL-450

HYDRONIC TANKS See page 4 for product details

H SERIES		Amtrol	B&G	ELBI	Flexcon	Sparco	State	Watts	Wessels	Wilkins
Gal.	BackStop®									
2.1	H15	15	HFT-15	XT-15	VR15F	TK-300-15	ET-2	ET-15	N-15	HXT-15
4.8	H30	30	HFT-30	XT-30	VR30F	TK-300-30	ET-5	ET-30	N-30	HXT-30
6	H60	60	HFT-60	XT-60	VR60F	TK-300-60	ET-7	ET-60	N-60	HXT-60
14	H90	90	HFT-90	XT-90	VR90F	TK-300-90	ET-12	ET-90	N-90	HXT-90

WELL TANKS See page 5 for product details

W SERIES		Amtrol	Flexcon	Goulds	State
Gal.	BackStop®				
0.5	AW100	-	-	V-6P	PIL-2
2	AW101	WX-101	-	V-6P	PIL-2
4.5	AW102	WX-102	-	V-15P	PIL-5
14	AW103	WX-200	WR-45	V-45	PAD-14
20	AW104	WX-401	WR-60	V-60	PAD-20
14	AW103S	WX-402	WR-100	V-100	PAD-52
20	AW104S	WX-404	WR-140	V-140	PAD-52
32	AW105S	WX-402	WR-100	V-100	PAD-52
44	AW106S	WX-404	WR-140	V-140	PAD-52

SOLAR See page 6 for product details

S SERIES		Amtrol	Caleffi	Flexcon
Volume	BackStop®			
2.1	S15	SE-15	250012	SW-8
4.8	S30	SE-30	250018	SW-18
6	S60	SE-60	250025	SW-35
14	S90	-	259050	-
14	SX90	-	-	-

SPECIAL NOTE
Some model capacities shown could vary slightly.