



VERTICAL BOILER FEED TANKS & SYSTEMS

Boiler Feed Selection Process

Our most common boiler feed systems can be selected using the chart below. The pumps listed are based on 125psi boiler pressure.

1	Select a tank size (gallons of capacity) which is about the same, or somewhat larger, than your boiler horsepower.
2	Select your construction materials. A steel tank with cast iron/bronze fitted pump(s) for the lowest initial cost; or an all stainless steel system for long life and best value. Steel tanks have an average life of 3-6 years. Stainless tanks are warranted for 20 years, and may be the last tank you ever need to buy. Cast iron/bronze fitted pumps are warranted for 1 year; stainless pumps for 5 years.
3	Decide whether you need a simplex or duplex system. A simplex system (one pump) typically needs no control panel because most boiler manufacturers include motor starters in their control panel. But if you decide to go this way, keep a spare pump available to avoid down time. A safer alternative (if downtime is critical) is to install a duplex (2 pump) system with alternating control panel (optional). The control will alternate pump use and if a pump fails, allows you to flip a switch, and the remaining pump will keep your boiler operating while you repair the defective pump.
Our complete system includes: tank, stand, make-up valve, sight gauge, drain valve, pump(s), isolation valve(s), inlet strainer(s), and piping	

AERO Vertical Feed Systems with AERO Pumps

SIMPLEX SYSTEMS								
Boiler HP	Tank Size	Gallons	System Model Numbers*		Aero Pump	Size (inches NPT)		HP
			Steel Tank CI/ BF Pump Model	All SS Model		Pump Suction	Pump Discharge	
4-6	19 x 24	29	BJCSV1924-2	BJSSV1924-2	5AERCT5	1	1	1/2
7-10	19 x 24	29	BJCSV1924-3	BJSSV1924-3	5AERCT6	1	1	1/2
10-15	19 x 30	37	BJCSV1930-4	BJSSV1930-4	7AERCT6	1	1	3/4
15-25	19 x 30	37	BJCSV1930-44	BJSSV1930-44	7AERCT7	1	1	3/4
15-25	19 x 36	44	BJCSV1936-5	BJSSV1936-5	7AERCT7	1	1	3/4
25-35	19 x 36	44	BJCSV1936-6	BJSSV1936-6	15AERCS5	1 1/4	1	1-1/2
35-45	19 x 42	52	BJCSV1942-7	BJSSV1942-7	20AERCS6	1 1/4	1	2
46-80	19 x 42	52	BJCSV1942-8	BJSSV1942-8	30AERCS7	1 1/4	1	3
60-80	19 x 48	59	BJCSV1948-9	BJSSV1948-9	30AERCS8	1 1/4	1	3
DUPLEX SYSTEMS								
10-30	23 X24	43	BSCSV2324	BJSSV2324	7AERCT7	1	1	3/4
30-50	23 X 30	54	BJCSV2330	BJSSV2330	20AERCS2	1 1/4	1	2
50-60	23 x 36	65	BJCSV2336	BJSSV2336	30AERCS7	1 1/4	1	3
60-75	23 x 42	76	BJCSV2342	BJSSV2342	30AERCS8	1 1/4	1	3
75-90	23 x 48	86	BJCSV2348	BJSSV2348	30AERCS8	1 1/4	1	3
* add suffix -NS to model number if non-siphon (air gap make up valve) is desired.								

