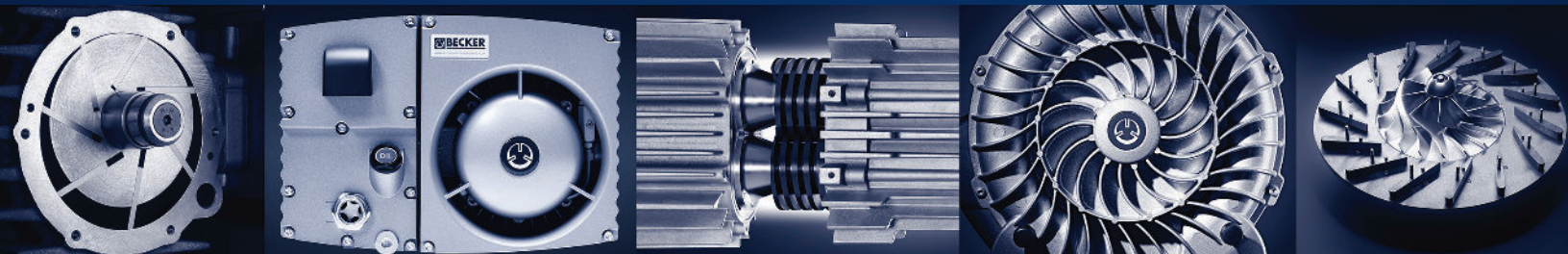


MEDICAL/SURGICAL & INDUSTRIAL CENTRAL VACUUM SYSTEMS



Advantage-D System



Choose Becker Pumps *Best in Class*

**Building Medical & Industrial Systems in the U.S.A.
for over 3 Decades**

For more than 130 years, Becker has had the global reputation of *Best in Class* quality manufacturing of our oil lubricated and oil-free dry running vacuum pumps. And since the vacuum pump is the most important component of any vacuum system, it makes sense that **Becker systems with Becker pumps** are the most reliable and efficient systems in the world. With many types to choose from, whether medical or industrial, lubricated or dry running, expandable or tank mounted, Becker has the right system for your application.

Reliable & Efficient Vacuum Pumps & Systems

- Quiet running
- Tank mounted models (vertical and horizontal)
- Expandable models (up to six pumps)
- Easy Installation
 - One electrical connection
 - One inlet connection
 - One discharge connection
 - Most fit through any 36" door
- Field serviceable, easy to maintain
- All Medical systems are NFPA compliant
- Auto Purge for Laboratory systems

Experienced & Personal Customer Service

- Phone calls always answered by a "live" person
- Experienced technical support
- Knowledgeable inside sales and customer service
- Fast turnaround time
- Factory trained in-house repair service
- Offer only Becker Genuine replacement parts
- Large inventory of pumps and parts with same day shipping available



**X-Series
Dry Vane Pump**



At Becker Pumps Corp., we understand that breakdowns are costly due to lost production and maintenance downtime. We solve both of these problems and that's why we're recognized as the best vacuum pump solution in all the world.

Advantage-X

Extended-Life Dry Central Vacuum Systems

The Advantage-X version offers an extended life dry vane pump with 20,000 hour vane life. These vanes are exclusive to Becker pumps and insure low cost maintenance. On these systems, **Becker offers the only 4 year total system warranty in the industry!**

Advantage-D

Dry Central Vacuum Systems

The Advantage-D version offers our superior dry running long life carbon vanes for low maintenance and no oil discharge. On these systems, **Becker offers the only 3 year warranty in the industry!**

Advantage-L

Lubricated Central Vacuum Systems

The Advantage-L version offers our oil lubricated rotary vane pumps for deep draw vacuum up to 29.9" Hg. On these systems, **Becker offers the only 3 year warranty in the industry!**

Advantage-P

Lubricated Auto-Purge Laboratory Central Vacuum Systems

The Advantage-P version offers our automatic purge systems which are specifically designed for laboratory applications. The purge system cleanses the pump of ingested gases and chemicals to extend the life of the oil while increasing pump life. On these systems, **Becker offers the only 3 year warranty in the industry!**



**Vertical Tank
Mounted Systems**

Model Specifications

This chart displays all of the Becker models that are currently available and their specifications. The flow is in SCFM and is shown at three separate vacuum levels: 0" Hg for open flow; 19" Hg for medical applications; and 24" Hg for industrial applications.

Features & Benefits

- Air Cooled – No Water
- Compact
- Convenient Service Points – Low Maintenance
- Modular – Expandable
- PLC Controlled with Timed Alternation
- Quiet
- Remote Alarm Relays
- Single Point Connections for Vacuum, Electrical & Discharge
- Vibration Free
- Touch Screen:
 - Alarm Log
 - Maintenance Reminders
 - Vacuum Level Bar Graph with Set Points
 - Pump Status Indicator
 - Remote Monitoring

Options

- Auto Purge
- Bypass Piping
- Discharge Manifold
- NFPA 99 Compliance
- Redundant Transformers
- Tank Drain Assembly

Advantage-L & P Lubricated Systems

MODEL ¹	SCFM (NFPA Capacity*)			Horsepower**	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	24" Hg			Length (in.)	Depth (in.)	
Horizontal Tank Mounted Simplex Systems								
ST20L/P	12.4	4.5	2.5	0.9	60	50	29	45
ST40L/P	28.8	10.5	5.7	2.4	60	50	29	45
ST70L/P	49	17.8	9.6	3	120	71	32	50
ST100L/P	71	25.8	13.9	5	120	71	32	50
ST165L/P	113	41.0	22.1	5	120	71	32	56
ST190L/P	129	47.6	25.6	7.5	120	71	32	56
ST250L/P	168	61.0	32.9	10	240	88	32	62
Horizontal Tank Mounted Duplex Systems								
DT20L/P3	12.4	4.5	2.5	0.9	60	61	30	50
DT40L/P3	28.8	10.5	5.7	2.4	60	61	30	50
DT70L/P3	49	17.8	9.6	3	120	86	30	55
DT100L/P3	71	25.8	13.9	5	120	86	30	55
DT165L/P3	113	41.0	22.1	5	120	86	34	55
DT190L/P3	129	47.6	25.6	7.5	120	86	36	55
DT250L/P3	168	61.0	32.9	10	240	100	44	62
Modular/Expandable Duplex Systems								
DS20L/P4	12.4	4.5	2.5	0.9	120	48	54	91
DS40L/P4	28.8	10.5	5.7	2.4	120	48	54	91
DS70L/P4	49	17.8	9.6	3	120	56	54	91
DS100L/P4	71	25.8	13.9	5	120	56	54	91
DS165L/P4	113	41.0	22.1	5	240	68	66	109
DS190L/P4	129	47.6	25.6	7.5	240	68	66	109
DS250L/P4	168	61.0	32.9	10	240	68	66	109
DS400L/P4	290	105	56.8	15	240	104	60	100
DS630L/P4	440	160	86.2	25	240	104	60	100
Modular/Expandable Triplex Systems								
TS20L/P4	24.8	9.0	5.0	1.8	120	48	54	91
TS40L/P4	57.6	21	11.4	4.8	120	48	54	91
TS70L/P4	98	35.6	19.2	6	120	56	54	91
TS100L/P4	142	51.6	27.8	10	120	56	54	91
TS165L/P4	226	82.0	44.2	10	240	68	66	109
TS190L/P4	258	95.2	51.2	15	240	68	66	109
TS250L/P4	336	122	65.8	20	240	68	66	109
TS400L/P4	580	210	113.6	30	2x240	104	128	119
TS630L/P4	880	320	172.4	50	2x240	104	128	119
Modular/Expandable Quadruplex Systems								
QS20L/P4	37.2	13.5	7.5	2.7	120	68	54	91
QS40L/P4	86.4	31.5	17.1	7.2	120	68	54	91
QS70L/P4	147	53.4	28.8	9	120	84	54	91
QS100L/P4	213	77.4	41.7	15	120	84	54	91
QS165L/P4	339	123	66.3	15	240	102	66	109
QS190L/P4	387	142.8	76.8	22.5	240	102	66	109
QS250L/P4	504	183	98.7	30	240	102	66	109
QS400L/P4	870	315	170.4	45	2x240	104	128	119
QS630L/P4	1320	480	258.6	75	2x240	104	128	119

¹ Substitute L or P

For Pentaplex and Sextuplex system performance, contact factory.

Advantage-D & X Dry Systems

MODEL ²	SCFM (NFPA Capacity*)			Horsepower*	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	24" Hg			Length (in.)	Depth (in.)	Height (in.)
Horizontal Tank Mounted Simplex Systems								
ST25D/X	18	5.32	2.0	1.2	60	50	29	45
ST40D/X	28	8.27	3.1	2	60	50	29	45
ST60D/X	39	12.5	5.5	3	120	71	32	50
ST80D/X	48	15.4	6.8	5	120	71	32	50
ST100D/X	69	22.1	9.8	5	120	71	32	50
ST140D/X	95	30.4	13.4 ³	7.5	120	71	32	50
ST200D/X	130	41.4	18.4	7.5	240	88	37	62
ST250D/X	173	55.4	24.5	10	240	88	37	62
Horizontal Tank Mounted Duplex Systems								
DT25D/X3	18	5.32	2.0	1.2	60	61	30	50
DT40D/X3	28	8.27	3.1	2	60	61	30	50
DT60D/X3	39	12.5	5.5	3	120	86	32	55
DT80D/X3	48	15.4	6.8	5	120	86	34	55
DT100D/X3	69	22.1	9.8	5	120	86	40	55
DT140D/X3	95	30.4	13.4 ³	7.5	120	86	40	55
DT200D/X3	130	41.4	18.4	7.5	240	100	52	62
DT250D/X3	173	55.4	24.5	10	240	100	52	62
Modular/Expandable Duplex Systems								
DS25D/X4	18	5.32	2.0	1.2	120	48	54	91
DS40D/X4	28	8.27	3.1	2	120	48	54	91
DS60D/X4	39	12.5	5.5	3	120	56	54	91
DS80D/X4	48	15.4	6.8	5	120	56	54	91
DS100D/X4	69	22.1	9.8	5	120	56	54	91
DS140D/X4	95	30.4	13.4 ³	7.5	240	68	66	109
DS200D/X4	130	41.4	18.4	7.5	240	68	66	109
DS250D/X4	173	55.4	24.5	10	240	68	66	109
DS400D/X4	280	89.7	59.6 ³	24	240	Contact		
Modular/Expandable Triplex Systems								
TS25D/X4	36	10.64	4.0	2.4	120	48	54	91
TS40D/X4	56	16.54	6.2	4	120	48	54	91
TS60D/X4	78	25.0	11.0	6	120	56	54	91
TS80D/X4	96	30.8	13.6	10	120	56	54	91
TS100D/X4	138	44.2	19.6	10	120	56	54	91
TS140D/X4	190	60.8	26.8 ³	15	240	68	66	109
TS200D/X4	260	82.8	36.8	15	240	68	66	109
TS250D/X4	346	110.8	49.0	20	240	68	66	109
TS400D/X4	560	179.4	119.2 ³	48	2x240	Contact		
Modular/Expandable Quadruplex Systems								
QS25D/X4	54	15.96	6.0	3.6	120	68	54	91
QS40D/X4	84	24.81	9.2	6	120	68	54	91
QS60D/X4	117	37.5	16.5	9	120	84	54	91
QS80D/X4	144	46.2	20.4	15	120	84	54	91
QS100D/X4	207	66.3	29.4	15	120	84	54	91
QS140D/X4	285	91.2	40.2 ³	22.5	240	104	66	109
QS200D/X4	390	124.2	55.2	22.5	240	104	66	109
QS250D/X4	519	166.2	73.5	30	240	104	66	109
QS400D/X4	840	269.1	178.8 ³	72	2x240	Contact		

² Substitute D or X

³ Performance stated at 22" Hg

For Pentaplex and Sextuplex system performance, contact factory.

Advantage-D and X Dry Vertical Tank Mounted Systems

MODEL ⁴	SCFM (NFPA Capacity*)			Horsepower*	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	24" Hg			Length (in.)	Depth (in.)	Height (in.)
Vertical Tank Mounted Simplex Systems								
ST10D/X-V	7	2.07	0.77	0.6	60	42.3	20	67
ST16D/X-V	11	3.25	1.2	0.94	60	42.3	20	67
ST25D/X-V	18	5.32	2.0	1.2	60	42.3	20	67
ST40D/X-V	28	8.27	3.1	2	60	42.3	20	67
ST60D/X-V	39	12.5	5.5	3	120	54	30	74
ST80D/X-V	48	15.4	6.8	5	120	54	30	74
Vertical Tank Mounted Duplex Systems								
DT10D/X-V	7	2.07	0.77	0.6	60	45	27	68
DT16D/X-V	11	3.25	1.2	0.94	60	45	27	68
DT25D/X-V	18	5.32	2.0	1.2	60	45	29	70
DT40D/X-V	28	8.27	3.1	2	60	45	29	70
DT60D/X-V	39	12.5	5.5	3	120	54	33	74
DT80D/X-V	48	15.4	6.8	5	120	54	33	74

⁴ Substitute D or X

* Except for Simplex Systems, data is for an NFPA 99 Level 1 system, which requires a reserve pump; thus, performance in this table is for the total number of pumps in the system, minus 1 (i.e., a Triplex TS100D4 would be designed for 2 pumps with a total flow of 44.2 SCFM at 19" Hg and total HP of 10. The reserve pump produces 22.1 SCFM using a 5 HP motor and is not included in the tables presented on this page).

** These dimensions are for estimates of the overall system envelope and should not be depended on for installation details. The dimensions are subject to change without notice. **Contact the factory for certified dimensional drawings.**

Pentaplex and Sextuplex Systems are available as a factory standard design—contact the factory. Custom designed systems also available.

Becker Pumps Corp. reserves the right to alter data without notice.



**Advantage-D
System**



Advantage-P System



World's Leading Brand

Best in Class

Contact our staff today. We're ready to help. Call 888-633-1083 or email: info@beckerpumps.com.



Nationwide Sales and Service: USA, Canada, and Mexico 888-633-1083

Becker Pumps Corp. • 100 East Ascot Lane • Cuyahoga Falls, Ohio 44223
Tel 330-928-9966 • Fax 330-928-7065 • info@beckerpumps.com • www.beckerpumps.com