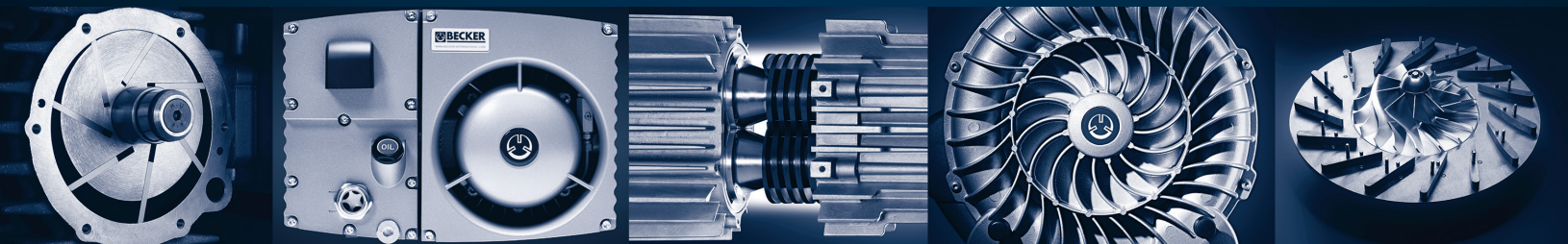


MEDICAL/SURGICAL & LABORATORY CENTRAL VACUUM SYSTEMS



Advantage-D/X System



Advantage-C

Hook and Claw Technology Central Vacuum Systems

The Advantage-C version offers Oil-less and Touch-less vacuum pumps with vacuum levels up to 28" Hg.

Advantage-CW

Hook and Claw Waste Anesthetic Gas Disposal Vacuum Systems

The Advantage-CW version offers Oil-less and Touch-less vacuum pumps for dedicated Waste Anesthetic Gas Disposal systems with vacuum levels up to 28" Hg.

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.

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.

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.

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.

Advantage-S

Space Saver Vacuum Systems

The Advantage-S Space Saver Vacuum Systems offer a compact footprint for installations where space is limited. Included are models 100 through 300 in Simplex and Duplex configuration for all system types Becker offers.

Becker offers the only 3-year warranty in the industry on ALL of our systems

Features & Benefits

- All Medical Systems NFPA 99 Compliant
- Air Cooled – No Water
- Compact
- Convenient Service Points – Low Maintenance
- Modular Design Makes Expandable Systems Available up to Sextuplex Configuration
- 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

- Bypass Piping
- Discharge Manifold
- Tank Drain Assembly



Advantage-L/P System

Model Specifications

These charts display 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 25" Hg for laboratory applications.

Advantage-C & CW Hook and Claw Systems

MODEL ¹	SCFM (NFPA Capacity*)			Horsepower**	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	25" Hg			Length (in.)	Depth (in.)	Height (in.)
Horizontal Tank Mounted Simplex Systems								
ST100C/CW	71	19.6	5.96	4	120	69.5	31.7	58.2
ST150C/CW	106	29.7	10.19	5.4	120	69.5	31.7	58.2
ST300C/CW	191	59.5	18.8	10	240	88	37.5	67.25
Horizontal Tank Mounted Duplex Systems								
DT100C/CW	71	19.6	5.96	4	120	83.5	43.5	58.75
DT150C/CW	106	29.7	10.19	5.4	120	83.5	43.5	58.75
DT300C/CW	191	59.5	18.8	10	240	100.4	42.7	64.8
Modular/Expandable Duplex Systems								
DE100C/CW	71	19.6	5.96	4	240	68	65.75	110
DE150C/CW	106	29.7	10.19	5.4	240	68	65.75	110
DE300C/CW	191	59.5	18.8	10	240	68	65.75	110
Modular/Expandable Triplex Systems								
TE100C/CW	142	39.2	11.92	8	240	68	65.75	110
TE150C/CW	212	59.4	20.38	10.8	240	68	65.75	110
TE300C/CW	382	119	37.6	20	240	68	65.75	110
Modular/Expandable Quadruplex Systems								
QE100C/CW	213	58.8	17.88	12	240	102	65.75	108
QE150C/CW	318	89.1	30.57	16.2	240	102	65.75	110
QE300C/CW	573	178.5	56.4	30	240	102	65.75	110

¹ Substitute C or CW

For Pentaplex and Sextuplex system performance, contact factory.

Space Saver Systems available only in Simplex and Duplex configuration.

Flows and vacuum levels are the same as described with standard Claw systems.

Advantage-S

Space Saver Dimensions**			
Tank	Length (in.)	Depth (in.)	Height (in.)
60	53.25	34	64.25
60	53.25	34	64.25
60	53.25	34	64.25
60	65.5	40.5	96
60	65.5	40.5	96
60	65.5	40.5	96



**Advantage-C/CW
System**

Advantage-L & P Lubricated Systems

MODEL ¹	SCFM (NFPA Capacity*)			Horsepower**	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	25" Hg			Length (in.)	Depth (in.)	Height (in.)

Horizontal Tank Mounted Simplex Systems

ST21L/P	16	4.96	2.02	1.2	60	49	29	45
ST40L/P	28.8	10.5	3.19	2.4	60	49	29	45
ST70L/P	49	17.8	6.04	3	120	70	32	49
ST100L/P	71	25.8	9.17	5	120	70	32	49
ST165L/P	116	36.8	14.95	6.4	120	70	32	59
ST200L/P	141	44	17.88	8.9	120	70	32	59
ST300L/P	211	64	24.44	12.1	240	85	34	60

Horizontal Tank Mounted Duplex Systems

DT21L/P3	16	4.96	2.02	1.2	60	61	30	50
DT40L/P3	28.8	10.5	3.19	2.4	60	61	30	50
DT70L/P3	49	17.8	6.04	3	120	82	32	55
DT100L/P3	71	25.8	9.17	5	120	82	32	55
DT165L/P3	116	36.8	14.95	6.4	120	88	38	55
DT200L/P3	141	44	17.88	8.9	120	88	38	55
DT300L/P3	211	64	24.44	12.1	240	100	44	62

Modular/Expandable Duplex Systems

DE21L/P4	16	4.96	2.02	1.2	120	48	54	91
DE40L/P4	28.8	10.5	3.19	2.4	120	48	54	91
DE70L/P4	49	17.8	6.04	3	120	56	54	91
DE100L/P4	71	25.8	9.17	5	120	56	54	91
DE165L/P4	116	36.8	14.95	6.4	240	68	66	109
DE200L/P4	141	44	17.88	8.9	240	68	66	109
DE300L/P4	211	64	24.44	12.1	240	68	66	109
DE400L/P4	290	105	45.67	15	240	104	60	100
DE630L/P4	440	160	66.07	25	240	104	60	100

Modular/Expandable Triplex Systems

TE21L/P4	32	9.92	4.04	2.4	120	48	54	91
TE40L/P4	57.6	21	6.38	4.8	120	48	54	91
TE70L/P4	98	35.6	12.08	6	120	56	54	91
TE100L/P4	142	51.6	18.34	10	120	56	54	91
TE165L/P4	232	73.6	29.9	12.8	240	68	66	109
TE200L/P4	282	88	35.76	17.8	240	68	66	109
TE300L/P4	422	128	52.82	24.2	240	68	66	109
TE400L/P4	580	210	91.34	30	240	104	128	119
TE630L/P4	880	320	132.14	50	240	104	128	119

Modular/Expandable Quadruplex Systems

QE21L/P4	48	14.9	6.06	3.6	120	68	54	91
QE40L/P4	86.4	31.5	9.57	7.2	120	68	54	91
QE70L/P4	147	53.4	18.12	9	120	84	54	91
QE100L/P4	213	77.4	27.51	15	120	84	54	91
QE165L/P4	348	110.4	44.85	19.2	240	102	66	109
QE200L/P4	423	132	53.64	26.7	240	102	66	109
QE300L/P4	633	192	79.23	30	240	102	66	109
QE400L/P4	870	315	137.01	45	240	104	128	119
QE630L/P4	1320	480	198.21	75	240	104	128	119

Advantage-S

Tank	Space Saver Dimensions**		
	Length (in.)	Depth (in.)	Height (in.)

60	53.25	34	64.25
60	53.25	34	64.25
60	53.25	34	64.25
60	53.25	34	64.25

60	65.5	40.5	96
60	65.5	40.5	96
60	65.5	40.5	96
60	65.5	40.5	96

Advantage-L & P Lubricated Vertical Tank Mounted Systems

MODEL ¹	SCFM (NFPA Capacity*)			Horsepower**	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	25" Hg			Length (in.)	Depth (in.)	Height (in.)

Vertical Tank Mounted Simplex Systems

ST10L/P-V	7.1	2.4	1.0	0.6	60	43.5	20	71
ST16L/P-V	11.2	3.63	1.44	0.9	60	43.5	20	71
ST21L/P-V	16	4.96	2.02	1.2	60	43.5	20	71
ST40L/P-V	28	10.5	5.7	2.4	60	43.5	20	71
ST70L/P-V	49.4	17.8	9.6	3	120	54	30	76

Vertical Tank Mounted Duplex Systems

DT10L/P-V	7.1	2.4	1.0	0.6	60	45	23	78
DT16L/P-V	11.2	3.63	1.44	0.9	60	45	23	78
DT21L/P-V	16	4.96	2.02	1.2	60	45	23	78
DT40L/P-V	28	10.5	5.7	2.4	60	45	23	78
DT70L/P-V	49.4	17.8	9.6	3	120	55	35	85



Vertical Tank Mounted Systems

¹ Substitute L or P

For Pentaplex and Sextuplex system performance, contact factory.

Space Saver Systems available only in Simplex and Duplex and only with pump models 100 thru 300.

Flows and vacuum levels are the same as described with standard Lubricated and Purge systems.

Advantage-D & X Dry Systems

MODEL ²	SCFM (NFPA Capacity*)			Horsepower*	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	25" Hg			Length (in.)	Depth (in.)	Height (in.)

Horizontal Tank Mounted Simplex Systems

ST25D/X	18	5.32	0.07	1.2	60	49	29	45
ST40D/X	28	8.27	0.11	2	60	49	29	45
ST60D/X	39	12.5	2.34	3	120	70	32	49
ST80D/X	48	15.4	2.62	5	120	70	32	49
ST100D/X	69	22.1	3.77	5	120	70	32	49
ST140D/X	95	30.4	16.25 ³	7.5	120	70	32	49
ST200D/X	130	41.4	21.78 ³	7.5	240	88	37	62
ST250D/X	173	55.4	33.12 ³	10	240	88	37	62

Horizontal Tank Mounted Duplex Systems

DT25D/X3	18	5.32	0.07	1.2	60	61	30	47
DT40D/X3	28	8.27	0.11	2	60	61	30	47
DT60D/X3	39	12.5	2.34	3	120	87	32	55
DT80D/X3	48	15.4	2.62	5	120	87	32	55
DT100D/X3	69	22.1	3.77	5	120	87	36	55
DT140D/X3	95	30.4	16.25 ³	7.5	120	86	39	55
DT200D/X3	130	41.4	21.78 ³	7.5	240	100	52	62
DT250D/X3	173	55.4	33.12 ³	10	240	100	52	62

Modular/Expandable Duplex Systems

DE25D/X4	18	5.32	0.07	1.2	120	48	54	91
DE40D/X4	28	8.27	0.11	2	120	48	54	91
DE60D/X4	39	12.5	2.34	3	120	56	54	91
DE80D/X4	48	15.4	2.62	5	120	56	54	91
DE100D/X4	69	22.1	3.77	5	120	56	54	91
DE140D/X4	95	30.4	16.25 ³	7.5	240	68	66	109
DE200D/X4	130	41.4	21.78 ³	7.5	240	68	66	109
DE250D/X4	173	55.4	33.12 ³	10	240	68	66	109
DE400D/X4	280	89.7	57.23 ³	15	240	Contact Factory		
DE500D/X	336	102.7	66.87 ³	24	2X240	Contact Factory		

Modular/Expandable Triplex Systems

TE25D/X4	36	10.64	0.14	2.4	120	48	54	91
TE40D/X4	56	16.54	0.23	4	120	48	54	91
TE60D/X4	78	25.0	4.68	6	120	56	54	91
TE80D/X4	96	30.8	5.24	10	120	56	54	91
TE100D/X4	138	44.2	7.54	10	120	56	54	91
TE140D/X4	190	60.8	32.5 ³	15	240	68	66	109
TE200D/X4	260	82.8	43.56 ³	15	240	68	66	109
TE250D/X4	346	110.8	66.24 ³	20	240	68	66	109
TE400D/X4	560	179.4	114.46 ³	30	2X240	Contact Factory		
TE500D/X	672	205.4	133.74 ³	48	2X240	Contact Factory		

Modular/Expandable Quadruplex Systems

QE25D/X4	54	15.96	0.28	3.6	120	68	54	91
QE40D/X4	84	24.81	0.34	6	120	68	54	91
QE60D/X4	117	37.5	7.02	9	120	84	54	91
QE80D/X4	144	46.2	7.86	15	120	84	54	91
QE100D/X4	207	66.3	11.31	15	120	84	54	91
QE140D/X4	285	91.2	48.75 ³	22.5	240	104	66	109
QE200D/X4	390	124.2	65.34 ³	22.5	240	104	66	109
QE250D/X4	519	166.2	99.36 ³	30	240	104	66	109
QE400D/X4	840	269.1	171.69 ³	45	2X240	Contact Factory		
QE500D/X	1008	308.1	200.61 ³	72	2X240	Contact Factory		

For Pentaplex and Sextuplex system performance, contact factory.

Space Saver Systems available only in Simplex and Duplex and only with pump models 100 thru 250.

Flows and vacuum levels are the same as described with standard Dry and X Vane systems

² Substitute D or X

³ Performance stated at 22" Hg

Advantage-S

MODEL ²	Space Saver Dimensions**			
	Tank	Length (in.)	Depth (in.)	Height (in.)

60	53.25	34	64.25
60	53.25	34	64.25
60	53.25	34	64.25
60	53.25	34	64.25

60	65.5	40.5	96
60	65.5	40.5	96
60	65.5	40.5	96
60	65.5	40.5	96

Advantage-D & X Dry Vertical Tank Mounted Systems

MODEL ²	SCFM (NFPA Capacity*)			Horsepower*	Tank (Gallons)	Dimensions**		
	0" Hg	19" Hg	25" Hg			Length (in.)	Depth (in.)	Height (in.)

Vertical Tank Mounted Simplex Systems

ST10D/X-V	7	2.07	0.03	0.6	60	42.3	20	67
ST16D/X-V	11	3.25	0.04	0.94	60	42.3	20	67
ST25D/X-V	18	5.32	0.07	1.2	60	42.3	20	67
ST40D/X-V	28	8.27	0.11	2	60	42.3	20	67
ST60D/X-V	39	12.5	2.34	3	120	55	32	75
ST80D/X-V	48	15.4	2.62	5	120	55	32	75

Vertical Tank Mounted Duplex Systems

DT10D/X-V	7	2.07	0.03	0.6	60	45	27	68
DT16D/X-V	11	3.25	0.04	0.94	60	45	27	68
DT25D/X-V	18	5.32	0.07	1.2	60	45	29	70
DT40D/X-V	28	8.27	0.11	2	60	45	29	70
DT60D/X-V	39	12.5	2.34	3	120	54	33	74
DT80D/X-V	48	15.4	2.62	5	120	54	33	74

² 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 TE100D4 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/X
System**

MAKE IT BECKER.

Becker has been building Medical/Surgical and Laboratory Systems in the U.S.A. for over 3 decades. And for more than 130 years, Becker has been building the highest quality vacuum pumps in the world. So 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, surgical or laboratory, 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
- Auto Purge for Laboratory systems



**X-Series Extended
Life Dry Vane Pump**

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



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-C/CW



**Vertical Tank
Mounted Systems**



Advantage-L/P



Advantage-D/X



Advantage-S

MEDICAL/SURGICAL & LABORATORY CENTRAL VACUUM SYSTEMS

MAKE IT BECKER.



*Family Owned
Since 1885*

We are Ready to Help! Sales and Service for USA, Canada, and Mexico

Call 888-633-1083 or go to www.beckerpumps.com

100 East Ascot Lane • Cuyahoga Falls, Ohio 44223



Order Becker Genuine Parts

Online 24/7

www.beckerpumps.com/shop