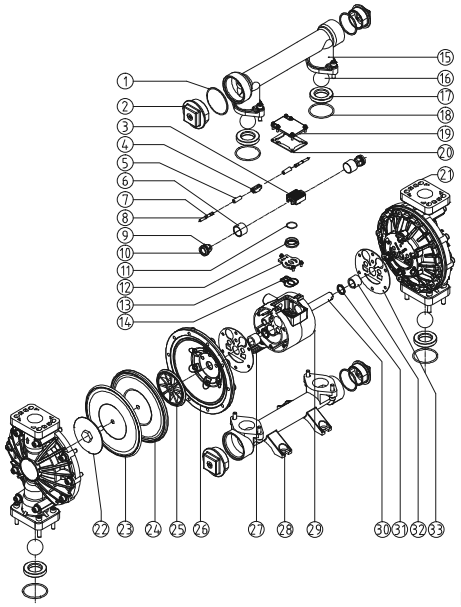


Parts List

No.	Name	No.	Name	No.	Name	No.	Name
01	Plug Sealing Ring	02	Plug	03	Large Slider	04	Small Slider
05	Booster Power Lever Sleeve	06	Piston Sleeve	07	Booster Power Lever	08	Booster Power Lever O–ring
09	Piston V–ring	10	Piston	11	Large Slider O–ring	12	Large Slider Seat
13	Boot Block	14	Boot Block Washer	15	Outlet Manifold	16	Ball Valve
17	Ball Seat	18	Ball Seat Sealing Ring	19	Air Valve Chamber Cover	20	Air Valve Cover Washer
21	Stand Column	22	Outer Splint	23	Teflon Diaphragm	24	Santoprene Diaphragm
25	Inner Splint	26	Clap Board	27	Muffler	28	Inlet Manifold
29	Air Valve Chamber	30	Connecting Rod Axis	31	V–ring	32	Connecting Rod Axis Sleeve
33	Air Valve Chamber Washer						

Engineering plastics

Fluorine plastic

QBY3-50
QBY3-65

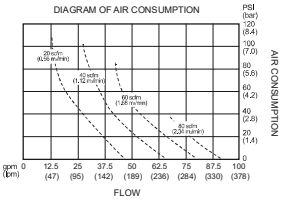
Engineering plastics / Fluorine plastic

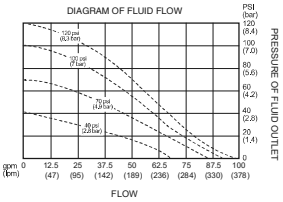
Specifications

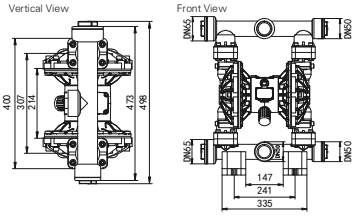
	QBY3-50	QBY3-65
Max. Flow Rate	378.5 lpm	378.5 lpm
Max. Head	84 m	84 m
Max. Suction Height	5.48 m	5.48 m
Max. Working Pressure	8.4 bar	8.4 bar
Fluid Inlet/Outlet Size	DN50 (2")	DN65 (2–1/2")
Air Inlet Size	1/2" G (bspp)	1/2" G (bspp)
Max. Permitted Grain	4.8 mm	4.8 mm
Max. Air Consumption	0.9 m^3/min	0.9 m^3/min
Air Compressor Power	7.5 kw	7.5 kw
Every Reciprocating Flow	1.9 L	1.9 L
Max. Reciprocating Speed	276 cpm	276 cpm

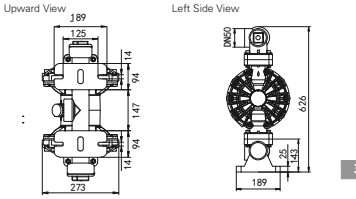
Pump body structure materials: Cast steel Nodular cast iron Aluminum alloy PP Stainless steel PVDF

Installation dimensions









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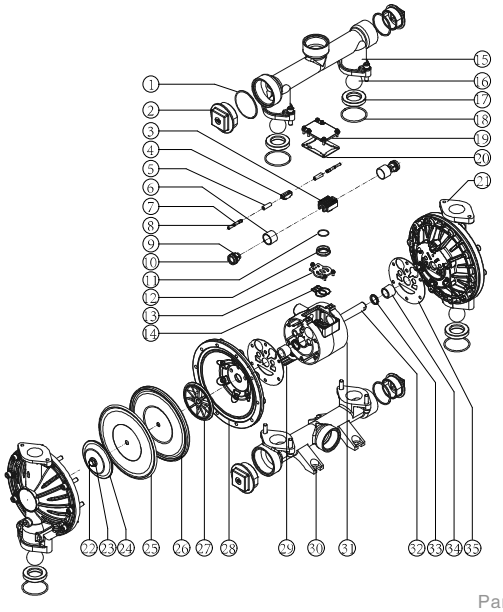

Parts List

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17	Ball Seat	18	Ball Seat Sealing Ring	19	Air Valve Cover	20	Air Valve Cover Washer
21	Stand Column	22	Splint Screw	23	Splint O–ring	24	Outer Splint
25	Teflon Diaphragm	26	Santoprene Diaphragm	27	Inner Splint	28	Clap Board
29	Muffler	30	Inlet Manifold	31	Air Valve Chamber	32	Connecting Rod Axis
33	V–ring	34	Connecting Rod Axis Sleeve	35	Air Valve Chamber Washer		

QBY3-50
QBY3-65
Aluminum alloy

Aluminum alloy

Specifications

	QBY3-50	QBY3-65
Max. Flow Rate	378.5 lpm	378.5 lpm
Max. Head	84 m	84 m
Max. Suction Height	5.48 m	5.48 m
Max. Working Pressure	8.4 bar	8.4 bar
Fluid Inlet/Outlet Size	DN50 (2")	DN65 (2–1/2")
Air Inlet Size	1/2" G (bspp)	1/2" G (bspp)
Max. Permitted Grain	4.8 mm	4.8 mm
Max. Air Consumption	0.9 m^3/min	0.9 m^3/min
Air Compressor Power	7.5 kw	7.5 kw
Every Reciprocating Flow	1.9 L	1.9 L
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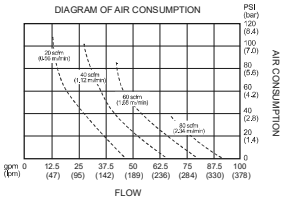
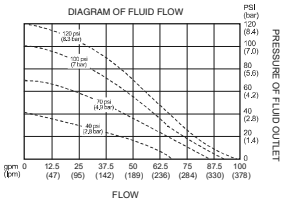
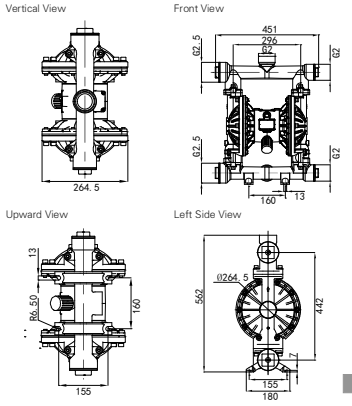
Pump body structure materials: Cast steel Nodular cast iron Aluminum alloy PP Stainless steel PVDF

Installation dimensions







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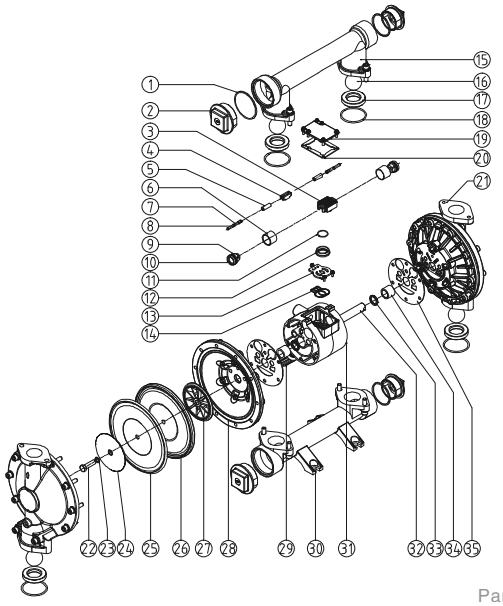

Parts List

No.	Name	No.	Name	No.	Name	No.	Name
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29	Muffler	30	Inlet Manifold	31	Air Valve Chamber	32	Connecting Rod Axis
33	V–ring	34	Connecting Rod Axis Sleeve	35	Air Valve Chamber Washer		

Stainless steel

Nodular cast iron

QBY3-50
QBY3-65

Stainless steel / Nodular cast iron

Specifications

	QBY3-50	QBY3-65
Max. Flow Rate	378.5 lpm	378.5 lpm
Max. Head	84 m	84 m
Max. Suction Height	5.48 m	5.48 m
Max. Working Pressure	8.4 bar	8.4 bar
Fluid Inlet/Outlet Size	DN50 (2")	DN65 (2–1/2")
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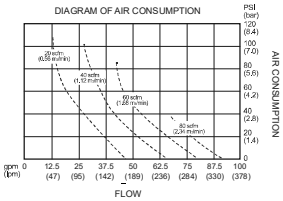
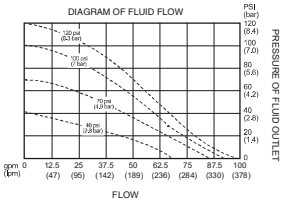
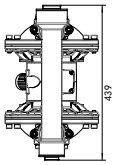
Pump body structure materials: Cast steel Nodular cast iron Aluminum alloy PP Stainless steel PVDF

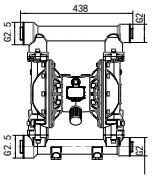




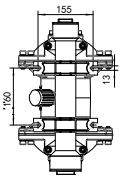
Vertical View



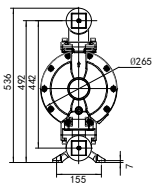
Front View



Upward View



Left Side View



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