



A COMPLETE PRODUCT RANGE OF LUBRICATION EQUIPMENTS  
SOLUTION FOR ALL INDUSTRIAL NEEDS



LUBRICATION EQUIPMENTS

# Product Application

## Portable Lube System ( Container Lube )

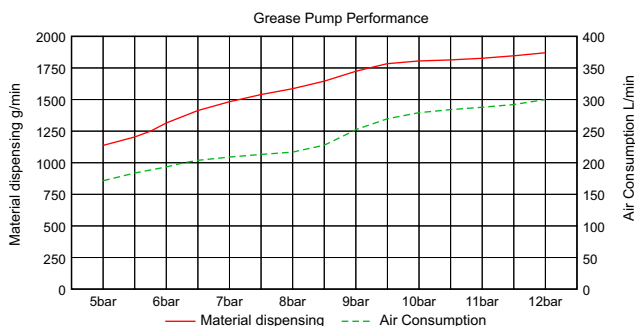


# AIR OPERATED PISTON PUMP

## Grease Pump - Fire Lube 300 - 50 : 1

Designed for manufacturing or automotive service facilities

- 50:1 ratio allows grease to be pumped up to NLGI 02
- Double acting pump provides continuous flow operation
- Rugged inlet cage withstands demanding shop environments
- Full line of stationary and portable package configurations
- High flow capability, stable function



## Technical Specification

Part No	821252003
Drum Application	20 kgs / 44 lbs
Pressure Ratio	50 : 1
Air Inlet Pressure	5 - 12 bar / 70-175 psi
MAX. Fluid Pressure	600 bar / 8700 psi
Air Motor Effective Diameter	76 mm/ 3"
Air Consumption (min)	@ 8 bar 230 L @115 psi / 8.1 CFM
MAX. Free Flow Rate (min)	1800 g /4 lbs
Suction Tube Diameter	32 mm / 1 -1/4"
Suction Tube Length	445 mm / 19 "
Air Inlet Connection	1/4" Quick plug 1/4" NPT Female
Grease Inlet Connection	1/4" BSP/ 1/4" NPT Female
Weight	8 kgs / 17l bs
Packaging Dimension	92 x 25 x 20 cm / 36.2" x 9.8" x 7.8"



Part No	821252005
Drum Application	120 - 220 kgs / 400 lbs
Pressure Ratio	50 : 1
Air Inlet Pressure	5 - 12 bar / 70-175 psi
MAX. Fluid Pressure	600 bar / 8700 psi
Air Motor Effective Diameter	76 mm/ 3"
Air Consumption (min)	@ 8 bar 230 L @115 psi / 8.1 CFM
MAX. Free Flow Rate (min)	1800 g /4 lbs
Suction Tube Diameter	32 mm / 1 -1/4"
Suction Tube Length	855 mm / 37"
Air Inlet Connection	1/4" Quick plug 1/4" NPT Female
Grease Inlet Connection	1/4" BSP/ 1/4" NPT Female
Weight	10.5 kgs / 22 lbs
Packaging Dimension	139 x 25 x 20cm / 54.7"x9.8"x7.8"

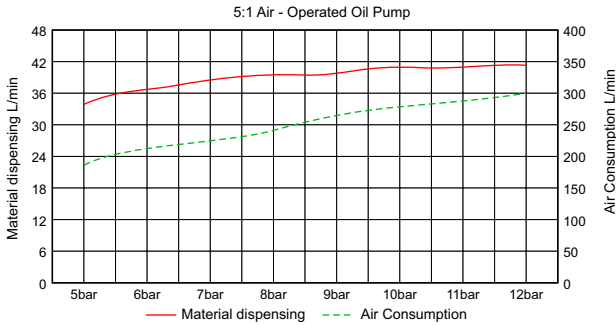


# AIR OPERATED PISTON PUMP

## Oil Pump - Fire Lube 300 - 5 : 1

### Features & Benefits

- The 5:1 is perfect for fluid oil transfer in high volume and longer distance applications such as truck shop service fleet facilities and in-plant applications
- Corrosion-resistant design utilizes liquid salt nitriding, nickel plating, stainless steel, aluminum and chrome on key components for longer life
- Few moving parts in the air motor assembly means less downtime and low repair cost
- Large air porting design provides efficient use of compressed air supply for continuous pump operation without icing
- Suitable for use of oil to SAE240



## Technical Specification

Part No	822252003
Drum Application	50 - 60 L / 13 - 16 Gallon
Pressure Ratio	5 : 1
Air Inlet Pressure	5 - 12 bar / 70-175 psi
MAX. Fluid Pressure	60 bar / 870 psi
Air Motor Effective Diameter	76 mm/ 3"
Air Consumption (min)	@ 8 bar 245 L @115 psi / 8.6 CFM
MAX. Free Flow Rate (min)	40 L / 10.6 Gallon
Suction Tube Diameter	54 mm / 2 - 1/8"
Suction Tube Length	730 mm / 28 - 3/4"
Air Inlet Connection	1/4" Quick plug 1/4" NPT Female
Oil Outlet Connection	3/4" Female
Weight	9.7 kgs / 21 lbs
Packaging Dimension	118 x 25 x 20 cm / 46.5" x 9.8" x 7.9"



Part No	822252004
Drum Application	180 - 220 L / 48-58 Gallon
Pressure Ratio	5 : 1
Air Inlet Pressure	5 - 12 bar / 70-175 psi
MAX. Fluid Pressure	60 bar / 870 psi
Air Motor Effective Diameter	76 mm/ 3"
Air Consumption (min)	@ 8 bar 245 L @115 psi / 8.6 CFM
MAX. Free Flow Rate (min)	40 L / 10.6 Gallon
Suction Tube Diameter	54 mm / 2 - 1/8"
Suction Tube Length	940 mm / 37"
Air Inlet Connection	1/4" Quick plug 1/4" NPT Female
Oil Outlet Connection	3/4" Female
Weight	10.5 kgs / 23 lbs
Packaging Dimension	139 x 25 x 20 cm / 54.7" x 9.8" x 7.9"



# ACCESSORIES OIL & GREASE PUMP

			
MOBILE GREASE LUBE DISPENSING 185KG DRUM C/W GREASE GUN & HOSE REEL 3/8"	MOBILE OIL LUBE DISPENSING 208 LITERS DRUM C/W OIL GUN & HOSE REEL 1/2"	HEAVY DUTY TROLLEY FOR 185 KG & 208 L DRUM C/W HOSE REEL BRACKET	TROLLEY (FOR PAIL 18 - 20 KG)
PN: 821243000	PN: 822273000	PN: 811002013	PN: 811002010

			
DRUM COVER 180 KG	HIGH FLOW OIL CONTROL VALVE 80 L (3/4")	GUN OIL CONTROL VALVE 95 L (1/2")	GREASE COUPLER ( NOZZLE 1/8")
PN: 811152302	PN: 18118002-12	PN: 18063531-08	PN: 1785701F-02

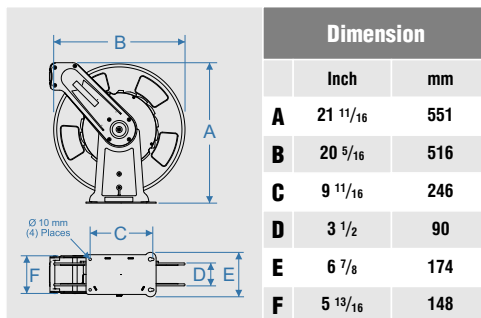
			
GREASE GUN 1/4" WITH Z SWIVEL	GREASE GUN CONTROL VALVE 1/4" NPT	Z SWIVEL 1/4"	OVAL GEAR FLOWMETER
PN: 841041410	PN: 18212070-04	PN: 1785702-04	PN: 842040100 ( 1" )
GREASE GUN 3/8" WITH Z SWIVEL	GREASE GUN CONTROL VALVE 3/8" NPT	Z SWIVEL 3/8"	PN: 842040150 ( 1.5" )
PN: 841041400	PN: 18212030-06	PN: 18970041-06	PN: 842040200 ( 2" )

# DUAL PEDESTAL - Spring Retractable Reels

## REEL MASTER 3/8 Inch I.D.

Heavy Duty

Grease, Air & Oil Hose Reel



### FEATURES

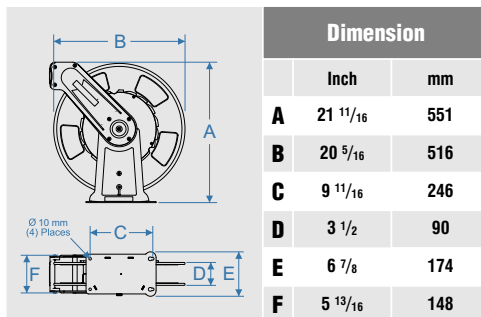
- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
- Two sealed ball bearings for smooth rotation of main shaft.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		BSP (M) Reel Inlet	JIC (M) Hose Outlet	Model without Hose & Bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
<b>Medium Pressure Oil Reels</b> Maximum temperature 210°F (99°C)															
841030000	46	21	1/4	6.3	37/64	14.7	50	15	5000	345	3/8	3/8	841030110	26	12
841030100	57	26	3/8	9.5	3/4	19	50	15	5000	345	3/8	3/8			

## REEL MASTER 1/2 Inch I.D.

Heavy Duty

Grease, Air & Oil Hose Reel



### FEATURES

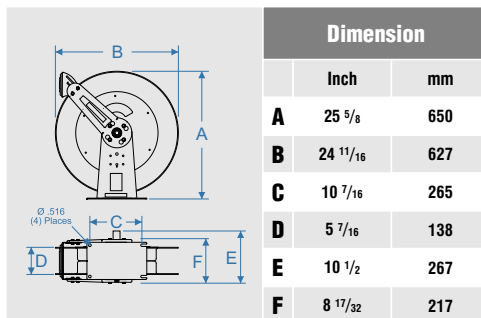
- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
- Two sealed ball bearings for smooth rotation of main shaft.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		BSP (M) Reel Inlet	JIC (M) Hose Outlet	Model without Hose & Bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
<b>Medium Pressure Oil Reels</b> Maximum temperature 210°F (99°C)															
842030200	64	29	1/2	12.7	55/64	22	50	15	3000	207	1/2	1/2	842030210	26	12

# DUAL PEDESTAL - Spring Retractable Reels

## REEL MASTER 3/4 Inch I.D.

Heavy Duty  
Fuel & Oil Hose Reel



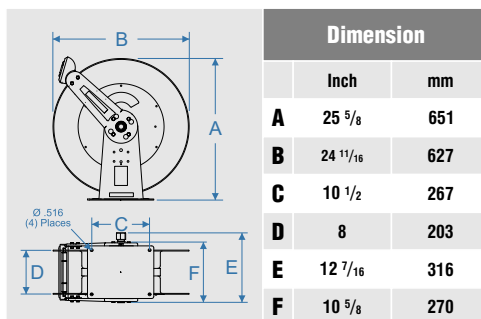
### FEATURES

- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
- Two sealed ball bearings for smooth rotation of main shaft.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure	NPT (F) Reel Inlet	NPT (F) Hose Outlet	Model without Hose & Bumper	Shipping Weight		
	lbs	kg	in	mm	in	mm	ft	m					psi	bar	in
<b>Medium Pressure Oil Reels</b> Maximum temperature 210°F (99°C)															
842030300	98	44	3/4	19	1-3/16	30	50	15	1500	103	3/4	3/4	842030310	84	38

## REEL MASTER 1 Inch I.D.

Heavy Duty  
Fuel & Oil Hose Reel



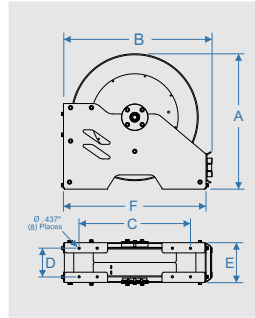
### FEATURES

- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
- Two sealed ball bearings for smooth rotation of main shaft.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure	NPT (F) Reel Inlet	NPT (F) Hose Outlet	Model without Hose & Bumper	Shipping Weight		
	lbs	kg	in	mm	in	mm	ft	m					psi	bar	in
<b>Low Pressure Fuel Reels</b> Maximum temperature 150°F (65°C) w/hose / 210°F (99°C) w/o hose															
842030400	115	52	1	25	1-1/2	38	50	15	500	35	1	1	842030410	84	38

# LARGE DELIVERY - Spring Retractable Reels

## REEL MASTER 3/4 Inch I.D. Ultimate Duty Fuel & Oil Hose Reel



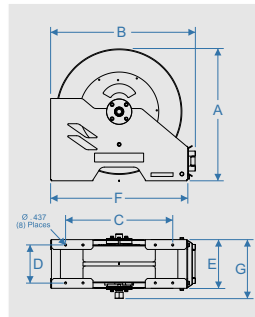
Dimension		
	Inch	mm
<b>A</b>	25,6	650
<b>B</b>	28,1	714
<b>C</b>	21	535
<b>D</b>	5,4	138
<b>E</b>	7,5	191
<b>F</b>	27	685

### FEATURES

- Substantial Base Frame
- Full width frame has the greatest amount of mounting area and overall strength of reels within its class.
- Full Flow Stress Free Swivel Design The full flow swivel combines the highest grade seal design and materials with bearing areas to ensure maximum service life.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure	NPT (F) Reel Inlet	NPT (F) Hose Outlet	Model without Hose & Bumper	Shipping Weight		
	lbs	kg	in	mm	in	mm	ft	m					psi	bar	in
<b>Low Pressure Reels</b>	Maximum temperature 210°F (99°C)														
842031300	130	59	3/4	19	1-3/16	30	50	15	1500	103	3/4	3/4	842031310	118	53,5

## REEL MASTER 1 Inch I.D. Ultimate Duty Fuel & Oil Hose Reel



Dimension		
	Inch	mm
<b>A</b>	25,6	650
<b>B</b>	28,1	714
<b>C</b>	21	535
<b>D</b>	7,5	190
<b>E</b>	9,6	243
<b>F</b>	27	685
<b>G</b>	11,5	292

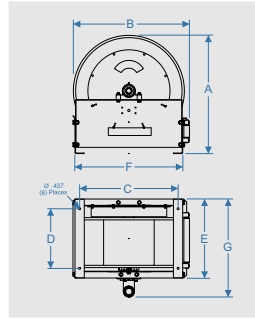
### FEATURES

- Substantial Base Frame
- Full width frame has the greatest amount of mounting area and overall strength of reels within its class.
- Full Flow Stress Free Swivel Design The full flow swivel combines the highest grade seal design and materials with bearing areas to ensure maximum service life.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure	NPT (F) Reel Inlet	NPT (F) Hose Outlet	Model without Hose & Bumper	Shipping Weight		
	lbs	kg	in	mm	in	mm	ft	m					psi	bar	in
<b>Low Pressure Reels</b>	Maximum temperature 210°F (99°C)														
842031400	141	64	1	25	1-1/2	38	50	15	500	35	1	1	842031410	110	50



## REEL MASTER 1,5 Inch I.D. Ultimate Duty Fuel, Oil & Water Hose Reel



Dimension		
	Inch	mm
<b>A</b>	26 5/8	676
<b>B</b>	26 1/8	664
<b>C</b>	22 1/8	563
<b>D</b>	13 3/8	341
<b>E</b>	17 9/8	452
<b>F</b>	24 1/4	616
<b>G</b>	22	561

### FEATURES

- Substantial Base Frame
- Full width frame has the greatest amount of mounting area and overall strength of reels within its class.
- Full Flow Stress Free Swivel Design The full flow swivel combines the highest grade seal design and materials with bearing areas
- to ensure maximum service life.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		NPT (F) Reel Inlet	NPT (F) Hose Outlet	Model without Hose & Bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
<b>Low Pressure Reels</b>	Maximum temperature 210°F (99°C)														
<b>842030500</b>	185	84	1-1/2	38	2	51	50	15	600	41	1-1/2	1-1/2	<b>842030510</b>	135	61

# DIAPHRAGM PUMP

Flow rate

First, Make Sure the pump size according to the flow rate request

Wet side material

Second, select appropriate wet side component according to material chemical characteristic.



## PUMP DATA

IMAGE						
PUMP SIZE	BP06	BP15	BA25	BA40	BA50	BA80
Working Air Pressure (bar)	0.9 - 6.0	1.5 - 6.9	1.0 - 8.3	1.0 - 8.4	1.0 - 8.5	1.0 - 8.6
Port Size	1/4"	1/2"	1"	1.5"	2"	3"
Max. Flow Rate (L/min)	26.1	43.5	192	378.5	667	903
Displacement Per Cycle (L)	0.06	0.14	0.87	2.83	3.78	7.67
Max. Head of Delivery (m)	60	70	60	80	80	80
Max. Dry Suction (m)	4.2	4.1	6.7	6.7	6.2	5.3
Max. Particle Size	1	2.5	3	6	7	9

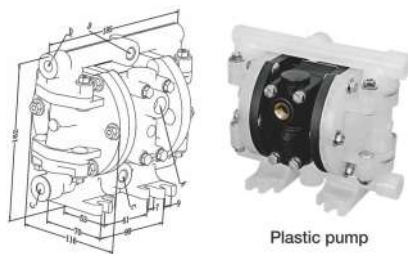
# DIAPHRAGM PUMP 1/4"

**B P 06 XX - XXXX - X**

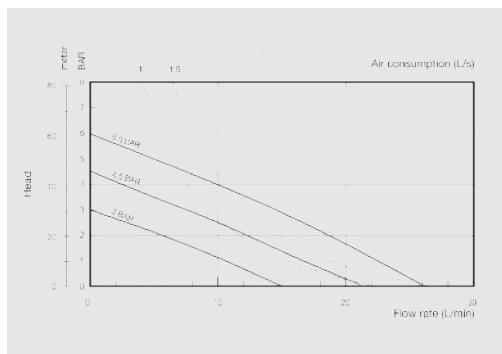
Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
PP	PP - Polypropylene	P - Polypropylene	9 - Santoprene T - PTFE S - Stainless Steel P - UPE	9 - Santoprene T - PTFE	1 - NBR 4 - PTFE (COVE)	B - NPT

## PUMP DATA

Working Air Pressure	0.09 - 0.60 Mpa
Max. Outlet Pressure	0.06 Mpa
Max. Flow Rate	26.1 Lpm
Max. Particle Size	1 mm
Max. Dry Suction	4.2 m
Noise Level @70 psi	68 dB
Weight	1.3 kg



## PERFORMANCE CURVE



## PORT SIZE

A	B	C	D
Air Inlet	Exhaust	Inlet	Outlet
1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT

# DIAPHRAGM PUMP 1/2"

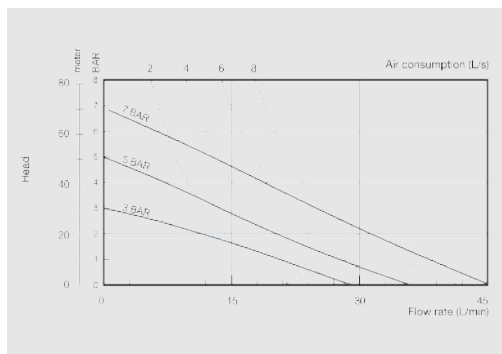
B P 15 XX - XXXX - X

Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
PP	PP - Polypropylene SS - Stainless Steel CS - Carbon Steel	P - Polypropylene S - Stainless Steel	9 - Santoprene T - PTFE S - Stainless Steel P - UPE	9 - Santoprene T - PTFE/Santoprene	1 - NBR 4 - PTFE (COVER)	A - BSP (Thread) B - NPT

## PUMP DATA

Working Air Pressure	0.15 - 0.69 Mpa
Max. Outlet Pressure	0.69 Mpa
Max. Flow Rate	45.3 Lpm
Max. Particle Size	2.5 mm
Max. Dry Suction	41 m
Noise Level @70 psi	75 dB
Weight	Plastic: 2.4 kg   SS: 5.5 kg   CS: 5.5 kg

## PERFORMANCE CURVE

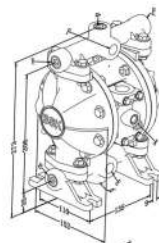


## PORT SIZE

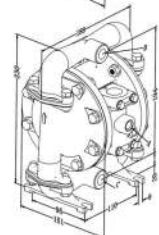
A	B	C	D	E	F
Air Inlet	Exhaust	Inlet	Outlet	Inlet	Outlet
1/4" NPT	3/8" NPT	1/2-14 BSP Rp	1/2-14 BSP Rp	1/2" NPT	1/2" NPT



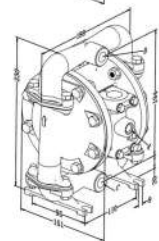
Plastic pump



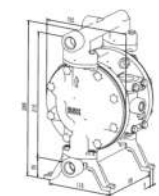
Stainless steel pump



Carbon steel pump



Aluminum alloy pump



# DIAPHRAGM PUMP 1"

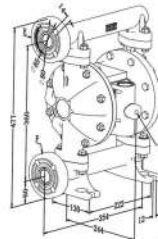
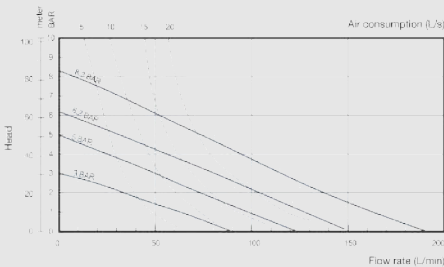
B A 25 XX - XXXX - X

Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
Aluminum	PP - Polypropylene SS - Stainless Steel CS - Carbon Steel AL - Aluminum	P - Polypropylene S - Stainless Steel C - Carbon Steel O - Aluminum G - Santoprene D - PDM	G - Santoprene H - Hyzel T - PTFE S - Stainless Steel 7 - Nylon B - Santoprene P - UPE	G - Santoprene B - NBR H - Hyzel T - PTFE/Santoprene	1 - NBR 3 - PTFE (FULL) 4 - PTFE (COVER) 5 - FKM	A - BSP (Thread) C - Flange

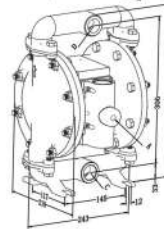
## PUMP DATA

Working Air Pressure	0.10 - 0.83 Mpa
Max. Outlet Pressure	0.83 Mpa
Max. Flow Rate	192 Lpm
Max. Particle Size	3 mm
Max. Dry Suction	6.7 m
Noise Level @70 psi	75 dB
Weight	Plastic: 9.5 kg   SS/CS: 5.5 kg   AL: 9.5 kg

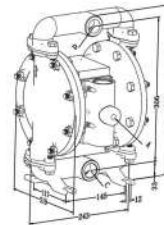
## PERFORMANCE CURVE



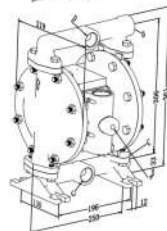
Plastic pump



Stainless steel pump



Carbon steel pump



Aluminum alloy pump

## PORT SIZE

A	B	C	D	E	F
Air Inlet	Exhaust	Inlet	Outlet	Inlet	Outlet
1/4" NPT	3/8" NPT	1" BSP	1" BSP	1" Flange	1" Flange

# DIAPHRAGM PUMP 1-1/2"

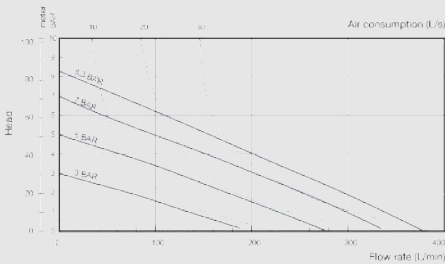
B A 40 XX - XXXX - X

Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
Aluminum	PP - Polypropylene SS - Stainless Steel CS - Carbon Steel AL - Aluminum	P - Polypropylene S - Stainless Steel C - Carbon Steel O - Aluminum 9 - Santoprene	9 - Santoprene H - Hytrel T - PTFE 8 - Santoprene P - UPE	9 - Santoprene H - Hytrel T - PTFE/Santoprene	0 - Non 1 - NBR 3 - PTFE (FULL) 4 - PTFE (COVER)	A - BSP (Thread) C - Flange

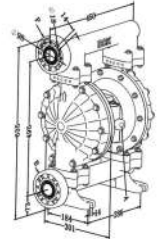
## PUMP DATA

Working Air Pressure	0.10 - 0.83 Mpa
Max. Outlet Pressure	0.83 Mpa
Max. Flow Rate	378.5 Lpm
Max. Particle Size	6 mm
Max. Dry Suction	6.7 m
Noise Level @70 psi	75 dB
Weight	Plastic: 19 kg   SS/CS: 30 kg   AL: 18 kg

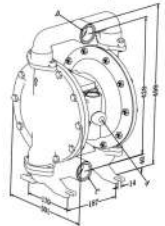
## PERFORMANCE CURVE



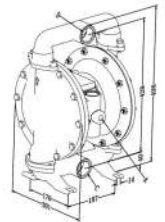
Plastic pump



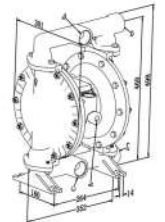
Stainless steel pump



Carbon steel pump



Aluminum alloy pump



## PORT SIZE

A	B	C	D	E	F
Air Inlet	Exhaust	Inlet	Outlet	Inlet	Outlet
1/2" NPT	3/4" NPT	1 1/2" BSP	1 1/2" BSP	1 1/2" Flange	1 1/2" Flange

# DIAPHRAGM PUMP 2"

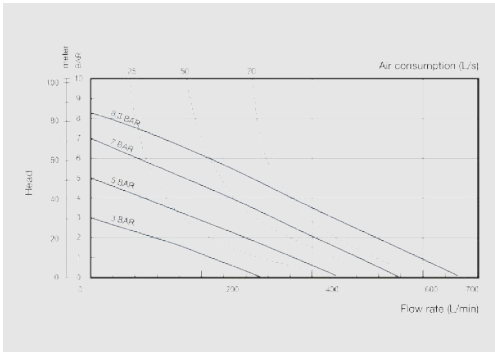
B A 50 XX - XXXX - X

Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
Aluminum	PP - Polypropylene SS - Stainless Steel CS - Carbon Steel AL - Aluminum	P - Polypropylene S - Stainless Steel C - Carbon Steel O - Aluminum G - Santoprene D - PDM	9 - Santoprene H - Hytrel T - PTFE 8 - Santoprene P - UPE	9 - Santoprene H - Hytrel T - PTFE/Santoprene	0 - Non 1 - NBR 3 - PTFE (FULL) 4 - PTFE (COVER)	A - BSP (Thread) C - Flange

## PUMP DATA

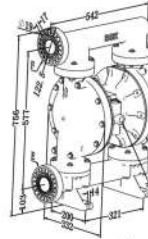
Working Air Pressure	0.10 - 0.83 Mpa
Max. Outlet Pressure	0.83 Mpa
Max. Flow Rate	667 Lpm
Max. Particle Size	7 mm
Max. Dry Suction	6.2 m
Noise Level @70 psi	75 dB
Weight	Plastic: 26 kg   SS: 53 kg   CS: 48.5 kg   AL: 24.5 kg

## PERFORMANCE CURVE

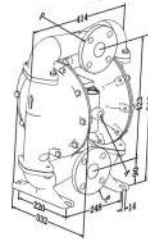


## PORT SIZE

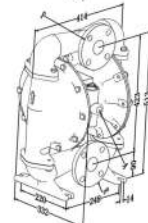
A	B	C	D	E	F
Air Inlet	Exhaust	Inlet	Outlet	Inlet	Outlet
3/4" NPT	3/4" NPT	2" BSP	2" BSP	2" Flange	2" Flange



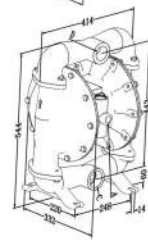
Plastic pump



Stainless steel pump



Carbon steel pump



Aluminum alloy pump

# DIAPHRAGM PUMP 3"

B A 80 XX - XXXX - X

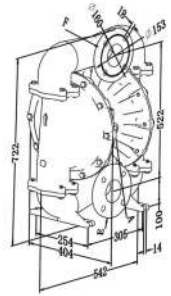
Center Body	Hosing Material	Seat Material	Ball Material	Diaphragm Material	O-Ring Material	Port
Aluminum	SS - Stainless Steel CS - Carbon Steel CI - Cast Iron	S - Stainless Steel C - Carbon Steel O - Aluminum 9 - Santoprene D - POM	9 - Santoprene H - Hytrel T - PTFE P - UPE	9 - Santoprene H - Hytrel T - PTFE/Santoprene	O - Non 1 - NBR 3 - PTFE (FULL)	A - BSP (Thread) C - Flange

## PUMP DATA

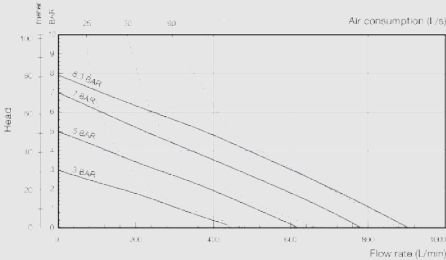
Working Air Pressure	0.10 - 0.83 Mpa
Max. Outlet Pressure	0.83 Mpa
Max. Flow Rate	903 Lpm
Max. Particle Size	9 mm
Max. Dry Suction	5.3 m
Noise Level @70 psi	75 dB
Weight	Plastic: 95 kg   SS: 91 kg   CS: 42 kg



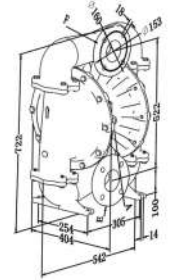
Stainless steel pump



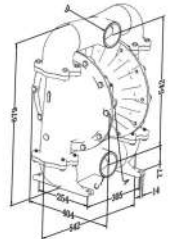
## PERFORMANCE CURVE



Carbon steel pump



Aluminum alloy pump



## PORT SIZE

A	B	C	D	E	F
Air Inlet	Exhaust	Inlet	Outlet	Inlet	Outlet
3/4" NPT	3/4" NPT	3" BSP	3" BSP	3" Flange	3" Flange



# DIAPHRAGM PUMP



## DIAPHRAGM SELECTION

Diaphragm Material	Lifespan	Wear Resistant	Chemical Compatibility	Thermal Endurance	Temperature (minimum)	Temperature (maximum)
PTFE	+	+	+	+	40°F / 4.4°C	220°F / 104°C
Santoprene®	+	+	✓	✓	-40°F / -40°C	225°F / 107.2°C
Hytrel®	+	+	✓	✓	32°F / 0°C	175°F / 79.4°C
FKM	✗	!	+	+	-40°F / -40°C	350°F / 176.6°C
NBR	+	✓	!	!	10°F / -40°C	180°F / 82°C

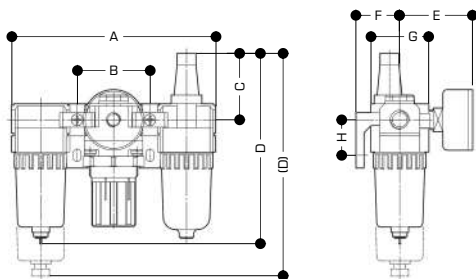
## WET COMPONENT SELECTION

Wet Side Part	Material	Chemical Corrosion Resistant				Abrasion Resistance		Thermal Endurance	Adhere Resistant
		Non	Slight	Middle	Serious	Slight	Serious		
HOUSING	AL	+	✗	✗	✗	✓	✗	+	
	SS	+	+	✓	✓	+	+	+	
	Cl	+	✗	✗	✗	+	+	+	
	PP	+	+	✓	✓	✓	✗	✓	
	PVDF	+	+	+	+	+	✓	✓	
SEAT	AL	+	✗	✗	✗	✓	✗	+	
	SS	+	+	✓	✓	+	+	+	
	Cl	+	✗	✗	✗	+	+	+	
	PP	+	+	✓	✓	✓	✗	✓	
	PVDF	+	+	+	+	+	✓	✓	
	Santoprene®	+	✓	!	!	+	+	✓	
	Hytrel®	+	+	✓	!	+	✓	✓	
BALL	SS	+	+	+	✓	✓	+	+	+
	Santoprene®	+	✓	!	!	+	+	✓	!
	Hytrel®	+	+	✓	!	+	✓	✓	!
	UPE	+	+	+	+	+	+	✓	+
	PTFE	+	+	+	+	+	✓	✓	+
	NBR	+	✓	!	✗	✓	✓	✓	
VALVE SEALING	NBR	+	✓	!	✗	✓	✓	✓	+
	PTFE	+	+	+	+	+	✓	✓	+

**ORDERING INFORMATION**

PART NUMBER	DESCRIPTION	REMARKS	
BP15AL-PTH1-A	AIR DIAPHRAGM PUMP 1/2" (ALVHYTREL/PTFE)	COOLANT	
6395-BA15-P1	AIR SET REPAIR KIT 1/2"		
6396-B A15AL-PTH1 -A	FLUID SET REPAIR KIT 1/2" (ALVHYTREL/PTFE)		
BA25AL-OHH1-A	AIR DIAPHRAGM PUMP 1" (AL/HYTREL/HYTREL)	OIL & FUEL	
6395-BA25-P1	AIR SET REPAIR KIT 1"		
6396-BA25AL-OTH1-A	FLUID SET REPAIR KIT 1" (AL/HYTREL/PTFE)		
BA40AL-OTH1-A	AIR DIAPHRAGM PUMP 1.1/2" (AL/HYTREL/PTFE)		
6395-BA40-P1	AIR SET REPAIR KIT 1.1/2"		
6396-B A40AL-OTH1-A	FLUID SET REPAIR KIT 1.1/2" (AL/HYTREL/PTFE)		
BA50AL-OTH1-A	AIR DIAPHRAGM PUMP 2" (AL/HYTREL/PTFE)		
6395-BA50-P1	AIR SET REPAIR KIT 2"		
6396-B A50AL-OTH1-A	FLUID SET REPAIR KIT 2" (AL/HYTREL/PTFE)		
BA80AL-OTH1-A	AIR DIAPHRAGM PUMP 3" (AL/HYTREL/PTFE)		
6395-BA80-P1	AIR SET REPAIR KIT 3"		
6396-B A80AL-OTH1-A	FLUID SET REPAIR KIT 3" (AL/HYTREL/PTFE)		
BP15AL-P991-B	AIR DIAPHRAGM PUMP 1/2" (ALVSANTOPRENE)		WATER
6395-BA15-P1	AIR SET REPAIR KIT 1/2"		
6396-BA15AL-P991-B	FLUID SET REPAIR KIT 1/2" (ALVSANTOPRENE)		
BA25AL-P991-A	AIR DIAPHRAGM PUMP 1" (AL/SANTOPRENE)		
6395-BA25-P1	AIR SET REPAIR KIT 1"		
6396-B A25AL-P991-A	FLUID SET REPAIR KIT 1" (AL/SANTOPRENE)		
BA40AL-P991-A	AIR DIAPHRAGM PUMP 1-1/2" (AL/SANTOPRENE)		
6395-BA40-P1	AIR SET REPAIR KIT 1.1/2"		
6396-B A40AL-P991-A	FLUID SET REPAIR KIT 1.1/2" (ALVSANTOPRENE)		
BA50AL-9990-A	AIR DIAPHRAGM PUMP 2" (AL/SANTOPRENE)		
6395-BA50-P1	AIR SET REPAIR KIT 2"		
6396-B A50AL-P991-A	FLUID SET REPAIR KIT 2" (AL/SANTOPRENE)		
BA80AL-9990-A	AIR DIAPHRAGM PUMP 3" (AL/SANTOPRENE)		
6395-BA80-P1	AIR SET REPAIR KIT 3"		
6396-B A80AL-P991-A	FLUID SET REPAIR KIT 3" (AL/SANTOPRENE)		

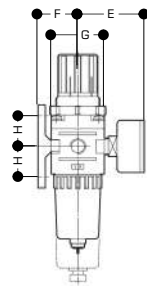
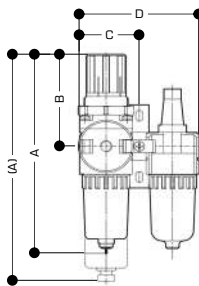
## Air Filter Combination (F.R.L. Combination)



ORDERING INFORMATION		DIMENSION									
PART NUMBER	DESCRIPTIONS	Model	Bore	A	B	C	D	E	F	G	H
JAC3000-02NPT-04	Air Filter Combination FRL 1/4"	JAC3000-02	1/4	181	64	38	156.5	60.8	41	53	35
JAC4000-03NPT-06	Air Filter Combination FRL 3/8"	JAC4000-03	3/8	238	84	41	191.5	65.5	50	70	40
JAC4000-04NPT-08	Air Filter Combination FRL 1/2"	JAC4000-04	1/2	238	84	41	191.5	65.5	50	70	40
JAC4000-06NPT-12	Air Filter Combination FRL 3/4"	JAC4000-06	3/4	253	89	41	193	69.5	50	70	40
JAC5000-10NPT-16	Air Filter Combination FRL 1"	JAC5000-10	1	300	105	48	271.5	75.5	69.8	90	50

SPECIFICATION					
MODEL	JAC3000-02	JAC4000-03	JAC4000-04	JAC4000-06	JAC5000-10
Rated Flow	2000	4000	4000	4500	5000
Port Size	1/4	3/8	1/2	3/4	1
Filter Precision	25 µm				
Max Adjustable Pressure	1.0 MPa				
Proof Pressure Resistance	1.5 MPa				
Operating Temperature Range	5 ~ 60 C				
Range Of Adjustable Pressure	0.05 ~ 0.85 MPa				
Recommended Lubricant	ISO VG 32				
Container Material	Poly Carbonate				
Protective Cup Cover	Iron				
Drain Function	Differential Drain, Automatic Drain				
Valve Type	With Overflow				

## Air Filter Combination (F.R.L. Combination)



ORDERING INFORMATION		DIMENSION									
PART NUMBER	DESCRIPTIONS	Model	Bore	A	B	C	D	E	F	G	H
JAC3010-02NPT-04	Air Filter Combination FRL 1/4"	JAC3010-02	1/4	211	92.5	58.5	117	60.8	41	53	35
JAC4010-03NPT-06	Air Filter Combination FRL 3/8"	JAC3010-03	3/8	211	92.5	58.5	117	60.8	41	53	35
JAC4010-04NPT-08	Air Filter Combination FRL 1/2"	JAC4010-04	1/2	262	112	77	154	70.5	50	70	40
JAC4010-06NPT-12	Air Filter Combination FRL 3/4"	JAC4010-06	3/4	267	114	82	164	70.5	50	70	40
JAC5010-10NPT-16	Air Filter Combination FRL 1"	JAC5010-10	1	338	116	97.5	195	75.5	69	90	50

SPECIFICATION					
MODEL	JAC3010-02	JAC3010-03	JAC4010-04	JAC4010-06	JAC5010-10
Rated Flow	1700	1700	3000	3000	4000
Port Size	1/4	3/8	1/2	3/4	1
Filter Precision	25 µm				
Max Adjustable Pressure	1.0 MPa				
Proof Pressure Resistance	1.5 MPa				
Operating Temperature Range	5 ~ 60 C				
Range Of Adjustable Pressure	0.05 ~ 0.85 MPa				
Recommended Lubricant	ISO VG 32				
Container Material	Poly Carbonate				
Protective Cup Cover	Iron				
Drain Function	Semi-automatic Drain, Automatic Drain				
Valve Type	With Overflow				



REV. 12 DEC 2024

Distributor :

## HARTEX GLOBAL INDUSTRIAL

### Factory :

Green Sedayu Bizpark Cakung Blok GS 5 No. 102  
Jl. Cakung Cilincing Timur Raya KM. 2  
Cakung - Jakarta Timur - 13910

☎ : +62 21 461 3110 | 📞 : +62 811 803 6799  
Email: [info@hartex.id](mailto:info@hartex.id) | Web: [www.hartex.id](http://www.hartex.id)

