



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



LUBRICATION EQUIPMENTS

Product Application

Portable Lube System (Container Lube)

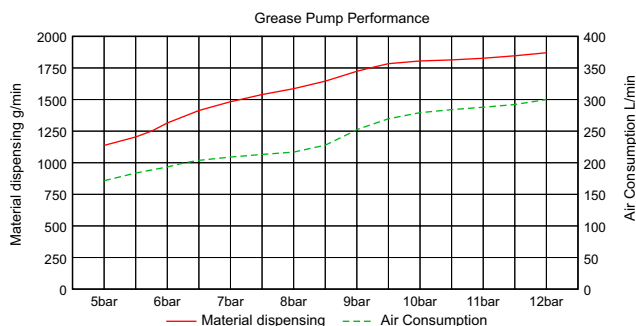


AIR OPERATED PISTON PUMP

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 (Refer to appendix 2)
- 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 / 17 lbs
Packaging Dimension	92 x 25 x 20 cm / 36.2" x 9.8" x 7.8"



821252005
120 - 220 kgs / 400 lbs
50 : 1
5 - 12 bar / 70-175 psi
600 bar / 8700 psi
76 mm/ 3"
@ 8 bar 230 L @115 psi / 8.1 CFM
1800 g / 4 lbs
32 mm / 1 -1/4"
855 mm / 37"
1/4" Quick plug 1/4" NPT Female
1/4" BSP/ 1/4" NPT Female
10.5 kgs / 22 lbs
139 x 25 x 20cm / 54.7"x9.8"x7.8"

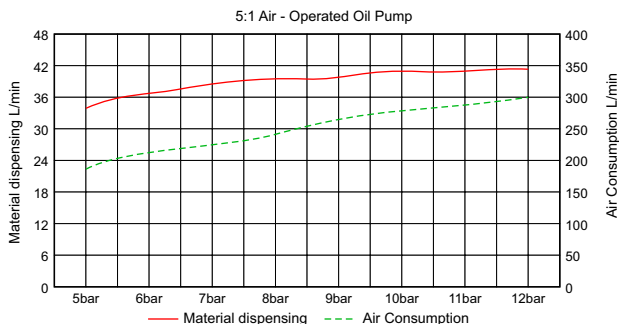


AIR OPERATED PISTON PUMP

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 35 L (1/2")	GREASE GUN 3/8" WITH Z SWIVEL
PN: 811152302	PN: 18118002-12	PN: 18063531-08	PN: 841041400

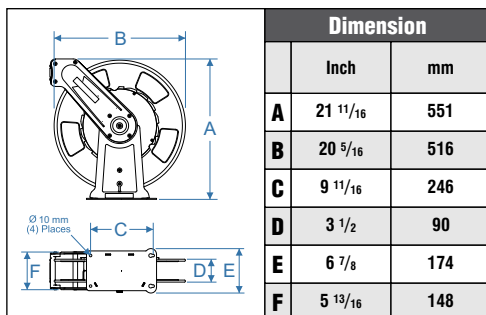
			
GREASE GUN CONTROL VALVE 3/8" NPT	Z SWIVEL 3/8"	GREASE COUPLER (NOZZLE 1/8")	OVAL GEAR FLOWMETER
PN: 18212030-06	PN: 18970041-06	PN: 1785701F-02	PN: 842040100 (1")
			PN: 842040150 (1.5")
			PN: 842040200 (2")

DUAL PEDESTAL - Spring Retractable Reels

REEL MASTER 3/8 Inch I.D.

Heavy Duty

Grease, Air & Oil Hose Reel



FEATURES

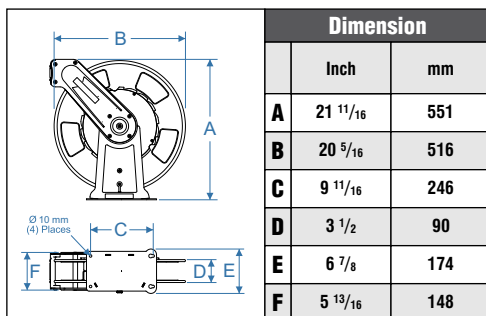
- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
-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

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		NPT(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
Medium Pressure Oil Reels			Maximum temperature 210 °F (99 °C)												
841030100	57	26	3/8	10	3/4	19	50	15	5000	345	3/8	3/8	841030110	26	12

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.

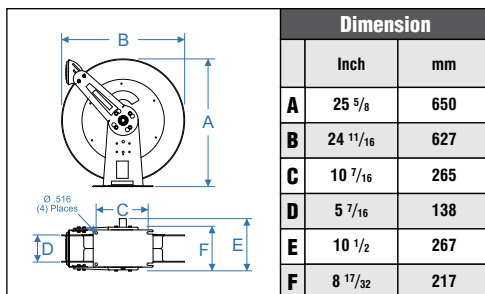
Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		NPT(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
Medium Pressure Oil Reels			Maximum temperature 210 °F (99 °C)												
842030200	57	26	1/2	12,7	0,86	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

Oil Hose Reel



FEATURES

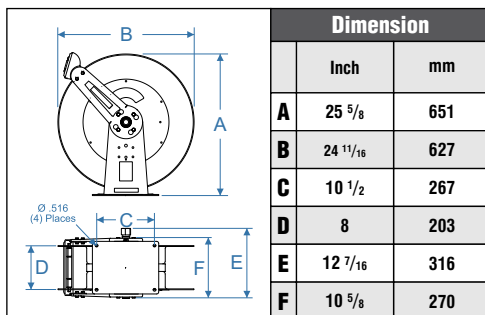
- Dual pedestal base and guide arm design are structurally reinforced.
- Five-in-one, heat-treated aluminium casting incorporates main shaft, ratchet, spring arbor and inlet/outlet plumbing in one-piece casting.
- Containerized spring assembly provides safer and easier handling during maintenance.
- 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(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight
	lbs kg	in mm	in mm	ft m	psi bar	in	in		lbs kg
Medium Pressure Oil Reels Maximum temperature 210 °F (99 °C)									
842030300	98 44	3/4 19	1.188 30	50 15	1500 103	3/4	3/4	842030310	84 38

REEL MASTER 1 Inch I.D.

Heavy Duty

Fuel 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(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight
	lbs kg	in mm	in mm	ft m	psi bar	in	in		lbs kg
Low Pressure Fuel Reels Maximum temperature 150 °F (65 °C) w/hose / 210 °F (99 °C) w/o hose									
842030400	115 52	1 25	1.500 38	50 15	500 35	1	1	842030410	84 38

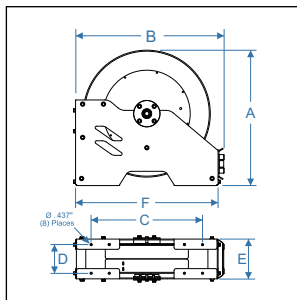


LARGE DELIVERY - Spring Retractable Reels

REEL MASTER 3/4 Inch I.D.

Ultimate Duty

Fuel, Oil, Water & Air Hose Reel



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

FEATURES

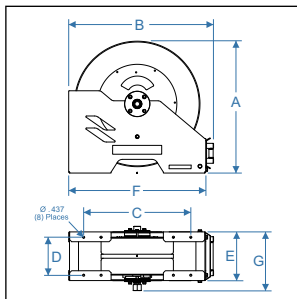
- Substantial Base Frame
- Full width frame has the greatest amount of mounting area and overall strength of reels within its class.
- Full Flow Stress Free Swivel Design The full flow swivel combines the highest grade seal design and materials with bearing areas to ensure maximum service life.

Model with Hose	Shipping Weight		Hose I.D.		Hose O.D.		Hose Length		Pressure		NPT(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
Low Pressure Reels Maximum temperature 210 °F (99 °C)															
842031300	130	59	3/4	19	1.188	30	50	15	1500	103	3/4	3/4	842031310	118	53.5

REEL MASTER 1 Inch I.D.

Ultimate Duty

Fuel, Oil, Water & Air Hose Reel



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

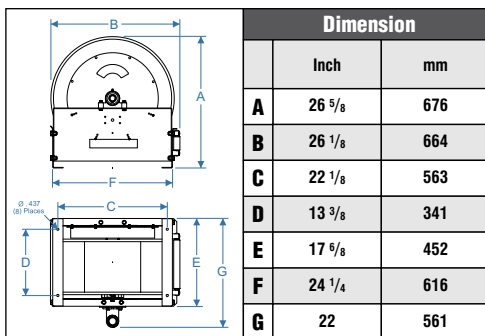
FEATURES

- 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(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight	
	lbs	kg	in	mm	in	mm	ft	m	psi	bar	in	in		lbs	kg
Low Pressure Reels Maximum temperature 210 °F (99 °C)															
842031400	141	64	1	25	1.5	38	50	15	500	35	1	1	842031410	110	50

LARGE DELIVERY - Spring Retractable Reels

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



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(M) Hose Outlet	NPT(F) Reel Inlet	Model without hose & bumper	Shipping Weight			
	lbs	kg	in	mm	ft	m	psi	bar	in	in		lbs	kg		
Low Pressure Reels Maximum temperature 210 °F (99 °C)															
842030500	185	84	1 1/2	38	2.000	51	50	15	600	41	1 1/2	1 1/2	842030510	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



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"
Maximum 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
Maximum head of delivery (m)	60	70	60	80	80	80
Maximum dry suction (m)	4.2	4.1	6.7	6.7	6.2	5.3
Maximum particle size	1	2.5	3	6	7	9

Diaphragm Selection

+ =Excellent ✓=Good !=Fair x=Poor

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

Wet Component Selection

+ =Excellent ✓=Good !=Fair x=Poor

Wet side part	Material	Chemical corrosion resistant				Abrasion resistance		Thermal endurance	Adhere resistant
		Non	Slight	Middle	Serious	Slight	Serious		
HOUSING	AL	+	x	x	x	✓	x	+	
	SS	+	+	✓	✓	+	+	+	
	CI	+	x	x	x	+	+	+	
	PP	+	+	✓	✓	✓	x	✓	
	PVDF	+	+	+	+	+	✓	✓	
SEAT	AL	+	x	x	x	✓	x	+	
	SS	+	+	✓	✓	+	+	+	
	CI	+	x	x	x	+	+	+	
	PP	+	+	✓	✓	✓	x	✓	
	PVDF	+	+	+	+	+	✓	✓	
	Santoprene®	+	✓	!	!	+	+	✓	
	Hytre	+	+	✓	!	+	✓	✓	
BALL	SS	+	+	+	✓	✓	+	+	+
	Santoprene®	+	✓	!	!	+	+	✓	!
	Hytre	+	+	✓	!	+	✓	✓	!
	UPE	+	+	+	+	+	+	✓	+
	PTFE	+	+	+	+	+	✓	✓	+
	NBR	+	✓	!	x	✓	✓	✓	
VALVE SEALING	NBR	+	✓	!	x	✓	✓	✓	+
	PTFE	+	+	+	+	+	✓	✓	+

Ordering Information

PART NUMBER	DESCRIPTION	REMARK
BP15AL-PTH1-A	AIR DIAPHRAGM PUMP 1/2" (AL/HYTREL,PTFE)	COOLANT
6395-BA15-P1	AIR SET REPAIR KIT 1/2"	
6396-BA15AL-PTH1-A	FLUID SET REPAIR KIT 1/2" (AL/HYTREL,PTFE)	
BA25AL-0HH1-A	AIR DIAPHRAGM PUMP 1" (AL/HYTREL/HYTREL)	OIL & FUEL
6395-BA25-P1	AIR SET REPAIR KIT 1"	
6396-BA25AL-0TH1-A	FLUID SET REPAIR KIT 1" (AL/HYTREL/PTFE)	
BA40AL-0TH1-A	AIR DIAPHRAGM PUMP 1.1/2" (AL/HYTREL/PTFE)	
6395-BA40-P1	AIR SET REPAIR KIT 1.1/2"	
6396-BA40AL-0TH1-A	FLUID SET REPAIR KIT 1.1/2" (AL/HYTREL/PTFE)	
BA50AL-0TH1-A	AIR DIAPHRAGM PUMP 2" (AL/HYTREL/PTFE)	
6395-BA50-P1	AIR SET REPAIR KIT 2"	
6396-BA50AL-0TH1-A	FLUID SET REPAIR KIT 2" (AL/HYTREL/PTFE)	
BA80AL-0TH1-A	AIR DIAPHRAGM PUMP 3" (AL/HYTREL/PTFE)	
6395-BA80-P1	AIR SET REPAIR KIT 3"	
6396-BA80AL-0TH1-A	FLUID SET REPAIR KIT 3" (AL/HYTREL/PTFE)	
BP15AL-P991-B	AIR DIAPHRAGM PUMP 1/2" (AL/SANTOPRENE)	WATER
6395-BA15-P1	AIR SET REPAIR KIT 1/2"	
6396-BA15AL-P991-B	FLUID SET REPAIR KIT 1/2" (AL/SANTOPRENE)	
BA25AL-P991-A	AIR DIAPHRAGM PUMP 1" (AL/SANTOPRENE)	
6395-BA25-P1	AIR SET REPAIR KIT 1"	
6396-BA25AL-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-BA40AL-P991-A	FLUID SET REPAIR KIT 1.1/2" (AL/SANTOPRENE)	
BA50AL-9990-A	AIR DIAPHRAGM PUMP 2" (AL/SANTOPRENE)	
6395-BA50-P1	AIR SET REPAIR KIT 2"	
6396-BA50AL-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-BA80AL-P991-A	FLUID SET REPAIR KIT 3" (AL/SANTOPRENE)	

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

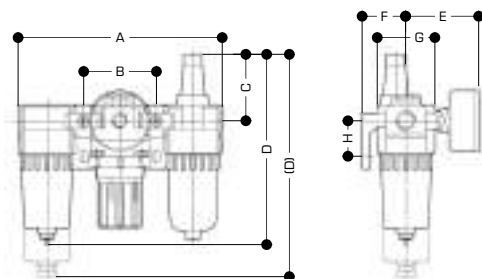
Ordering Information

Part Number	Descriptions
JAC3000-02NPT-04	Air Filter Combination FRL 1/4"
JAC4000-03NPT-06	Air Filter Combination FRL 3/8"
JAC4000-04NPT-08	Air Filter Combination FRL 1/2"
JAC4000-06NPT-12	Air Filter Combination FRL 3/4"
JAC5000-10NPT-16	Air Filter Combination FRL 1"



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 μ m				
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 Fuction	Differential Drain, Automatic Drain				
Valve Type	With Overflow				



Dimension

Model	Bore	A	B	C	D	E	F	G	H
JAC3000-02	1/4	181	64	38	156.5	60.8	41	53	35
JAC4000-03	3/8	238	84	41	191.5	65.5	50	70	40
JAC4000-04	1/2	238	84	41	191.5	65.5	50	70	40
JAC4000-06	3/4	253	89	41	193	69.5	50	70	40
JAC5000-10	1	300	105	48	271.5	75.5	69.8	90	50

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

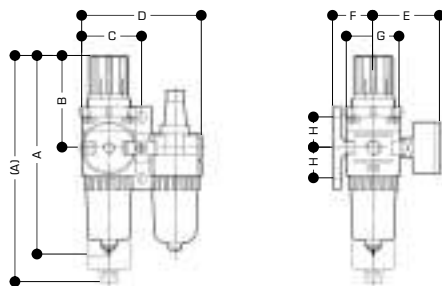
Ordering Information

Part Number	Descriptions
JAC3010-02NPT-04	Air Filter Combination FRL 1/4"
JAC4010-03NPT-06	Air Filter Combination FRL 3/8"
JAC4010-04NPT-08	Air Filter Combination FRL 1/2"
JAC4010-06NPT-12	Air Filter Combination FRL 3/4"
JAC5010-10NPT-16	Air Filter Combination FRL 1"



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				



Dimension

Model	Bore	A	B	C	D	E	F	G	H
JAC3010-02	1/4	211	92.5	58.5	117	60.8	41	53	35
JAC3010-03	3/8	211	92.5	58.5	117	60.8	41	53	35
JAC4010-04	1/2	262	112	77	154	70.5	50	70	40
JAC4010-06	3/4	267	114	82	164	70.5	50	70	40
JAC5010-10	1	338	116	97.5	195	75.5	69	90	50



REV. 16 AUG 2024

Distributor :

HARTEX GLOBAL INDUSTRIAL

Factory :

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