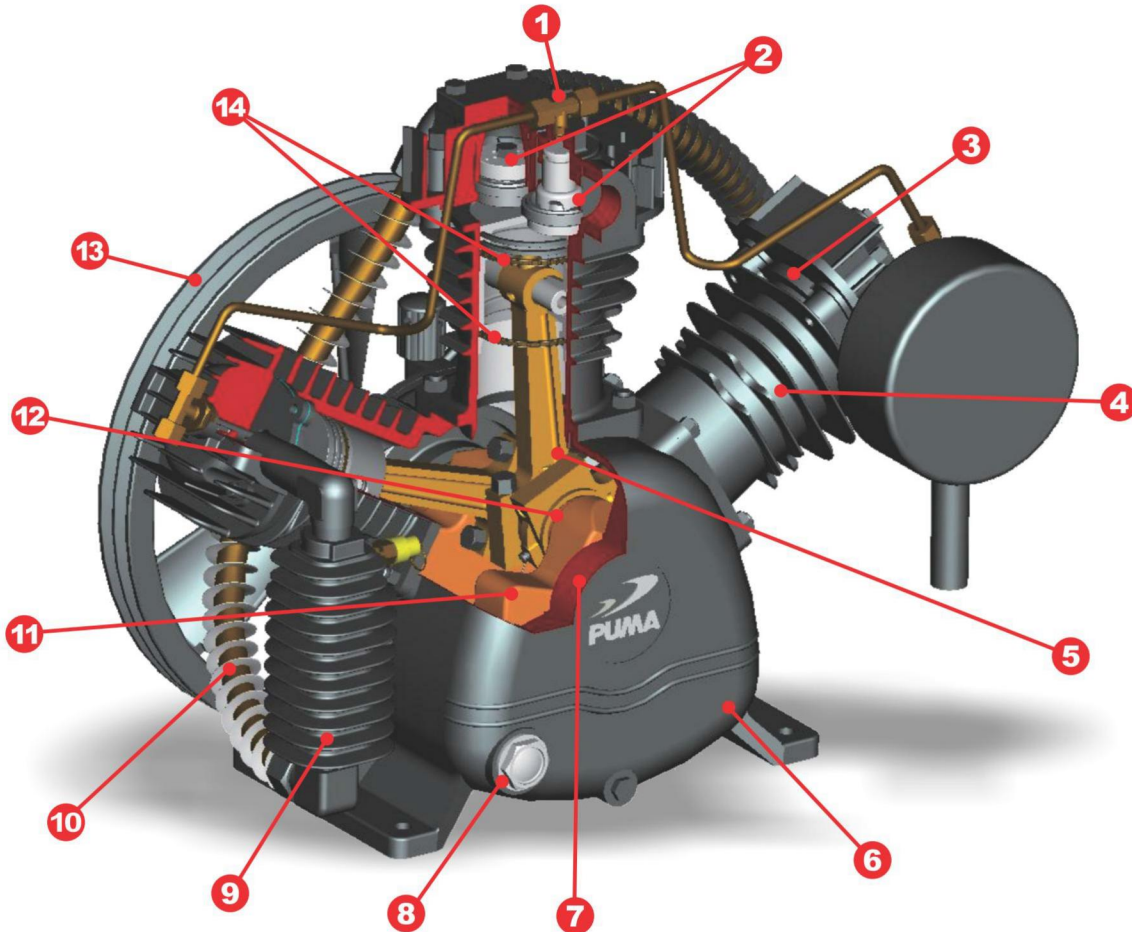




**Global Brand Ultimate Power**

## Diagram illustration of a Puma Air Compressor

**Three cylinder radial configuration  
for balanced and effective cooling operation**



- 1** Head unloaders for continuous run.
- 2** Dependable, accessible, and efficient disc valves increase service life and serviceability.
- 3** Graphite gaskets offer superior sealing against high temperatures.
- 4** Precision honed cast iron cylinders.
- 5** Two-piece forged steel connecting rods.
- 6** One-piece cast iron crankcase provides durable and smooth operation.
- 7** Oversized ball or tapered roller thrust bearings on both side of crankshaft for long operation life.
- 8** Oil sight glass for quick and accurate lubricant level reading.
- 9** Intercooler further reduces inter-stage air temperature for maximum compression efficiency and valve life.
- 10** Copper finned discharge tubes help reducing inter-stage air temperature.
- 11** Counter weighted large diameter crankshaft provides smooth operation and longer wear.
- 12** Replaceable journal bearings extend rod life and simplify service.
- 13** Oversized flywheel delivers high flow of air for cooling.
- 14** Step-type compression and 3-piece oil control piston rings provide improved leakage and oil control.

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- 21 Accessories-Engine Controller & Valve/Service Valve / Drain Valve/ASME Pressure Relief Valve
- 22 Accessories-Check Valve/Pressure Switch/Pressure Gauge
- 23 Accessories-Quick Coupler/Air Filter/Filter Element
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- 25 Accessories-Premium Package/Magnetic Motor Starter/Hand Carry Tank / Air Keg
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# Professional Oil-less Direct Drive Series

- Compact and portable designs.
- Patented pump design for lower noise and improved cooling (features on PN and LA models.)
- Maintenance-free.
- All models are driven by induction motors with overload protection.
- Ideal for home and professional applications.



Model	PN1004PK	LA5706	LA5721	LA9003A
H.P.	0.5	1	1	1.5
R.P.M.	3450	3450	3450	3450
C.F.M.	@ 40 PSI	1.1	3	4.8
	@ 90 PSI	0.7	2.2	3.6
Max. PSI	135	135	135	135
Volt. /Phase	115 / Single	115 / Single	115 / Single	115 / Single
F.L. Amperage	3.0	6.5	6.5	13.5
Tank Cap. (GAL.)	1	1.5	2	3
Weight (Lbs)	23	33	38	31
Noise (dB)	68	76	78	82
Certificate	CSA	CSA	CSA	CSA
Accessories	25ft 1/4" coil hose, tire chuck, needle inflator			Aluminum tank



Model	WE1504C	WE1504CK	WE1508VP
H.P.	1.5	1.5	1.5
R.P.M.	1720	1720	1720
C.F.M.	@ 40 PSI	5.4	5.4
	@ 90 PSI	4.0	4.0
Max. PSI	125	125	125
Volt. /Phase	115 / Single	115 / Single	115 / Single
F.L. Amperage	12	12	12
Tank Cap. (GAL.)	4	4	8
Weight (Lbs)	88	105	88
Noise (dB)	70	70	70
Certificate	CSA	CSA	CSA
Accessories		100 ft 3/8" PU hose reel (removable)	

# Professional D.C. Oil-less Direct Drive Series

- Oil-less design allows units to be mounted in any orientation.
- Deep cooling fin design on cylinder head and cylinders for high efficiency cooling.
- Oversized motor cooling fan prevent motor from overheating.
- Continuous duty cycle for DE and PD series, 60% duty cycle for DC series.
- Ideal for off-road vehicles, RV, agriculture, construction, motorsports, and applications where on-board air is needed.



Model	DC02	DC05K	DE05	DE07
H.P.	1/4	1/2	1/2	3/4
R.P.M.	3000	2700	2100	3000
Amp.(A) / Battery (AH)	@ 12VDC	28 / 30	32 / 30	46 / 50
	@ 24VDC	8 / 10	19 / 20	22 / 30
Max. PSI	135	135	135	135
FAD-CFM	Disp.	1.2	1.9	3.3
	40 PSI	0.72	1.2	2.0
	90 PSI	0.48	0.8	1.36
Duty Cycle	60%	60%	Continuous	Continuous
Noise (dB)	68	70	72	78
Dimension (in.)	9 x 4.7 x 7	11.8 x 4.3 x 6.7	12.2 x 7.5 x 11	12.2 x 7.5 x 11
Wts. Lbs.	6	6	18	19
Accessories		Overload breaker, Solenoid Relay		



Model	DE08K	PD1006	PD1012A
H.P.	1	3/4	3/4
R.P.M.	3400	3000	3000
Amp.(A) / Battery (AH)	@ 12VDC	46 / 50	46 / 50
	@ 24VDC	22 / 30	22 / 30
Max. PSI	135	135	135
FAD-CFM	Disp.	3.3	3.3
	40 PSI	2.0	2.0
	90 PSI	1.36	1.36
Tank Cap. (GAL.)	-	1.5	3.0
Duty Cycle	Continuous	Continuous	Continuous
Noise (dB)	80	78	78
Dimension (in.)	14.2 x 6.7 x 8.66	19.3 x 8.3 x 17.3	21.5 x 7.5 x 19
Wts. Lbs.	10.5	31	30
Accessories	Overload breaker, Solenoid Relay	Pressure switch, Overload breaker, 6.5 ft jump cable	Aluminum tank, Pressure switch, Overload breaker, 6.5 ft jump cable

# Professional Oil-lube Direct Drive Series

- Compact and portable designs.
- All models are driven by induction motors with overload protection.
- Ideal for home and professional applications.



Model	DD2022S	DP2022S
H.P.	1.5	2
R.P.M.	1720	3450
C.F.M.	@ 40 PSI	4.2
	@ 90 PSI	3.7
Max. PSI	135	135
Volt. /Phase	115 / Single	115 / Single
F.L. Amperage	11.0	13.0
Tank Cap. (GAL.)	4	4
Weight (Lbs)	74	75
Noise (dB)	81	85
Certificate	CSA	CSA



Model	DD1508VP	DP2505C
H.P.	1.5	2.5
R.P.M.	1720	3450
C.F.M.	@ 40 PSI	4.2
	@ 90 PSI	3.7
Max. PSI	135	135
Volt. /Phase	115 / Single	115 / Single
F.L. Amperage	11.0	14.0
Tank Cap. (GAL.)	8	5
Weight (Lbs)	80	102
Noise (dB)	81	85
Certificate	CSA	CSA

# Professional Single Stage Belt Drive Portable Series

- Oil lubricated, single stage cast iron pumps. Ideal for home and professional applications.
- Single phase dual voltage induction motors with overload protection.
- Built-in pressure regulator and quick coupler for pressure control of output air, and steel wheels with ball bearing and No-flat tires for best mobility.



Model		PK5020VP	PK5020
Electric Motor	H.P.	2	2
	R.P.M	3450 / ODP	3450 / ODP
	Volt./ Phase/ Amp.	115, 230*/ Single/ 14, 7	115, 230*/ Single/ 14, 7
Pump R.P.M		1150	1150
Max. Working PSI.		135	135
C.F.M.	@ 40 PSI	6.1	6.1
	@ 90 PSI	5	5
TANK	Gal.	20	20
	Style	Vertical Portable	Horizontal, Portable
	Code	ASME	ASME
Weight (Lbs)		183	194
Remark		CSA	CSA



Model		PUK-2008MDC	PUK-2020MDC
Electric Motor	H.P.	2	2
	R.P.M	3450 / TEFC	3450 / TEFC
	Volt./ Phase/ Amp.	115, 230*/ Single/ 19, 9.5	115, 230*/ Single/ 19, 9.5
Pump R.P.M		980	980
Max. Working PSI.		135	135
C.F.M.	@ 40 PSI	8.5	8.5
	@ 90 PSI	7.4	7.4
TANK	Gal.	8	20
	Style	Twin Portable	Horizontal, Portable
	Code		ASME
Weight (Lbs)		200	240
Remark		Dual Control	Dual Control

\* Dual voltage motors, require rewiring by customers if 230V is needed. 230V plug is not included and needed to be purchased by customers to meet local code. \*230V plug is not sold by Puma.

## Professional / Commercial

## Single Stage Honda GX160 Gas-Engine Powered Series

- Engines used on all models are 50-states compliant.
- Cast iron single stage pumps.
- Honda GX160 series engines on all units are commercial-grade with low oil protection.
- 100% Duty cycle.



Model		DG5522HP	PUK5508HG
Engine	H.P.	5.5	5.5
	Starter	n/a	n/a
Pump R.P.M		3450	1310
FAD-CFM	@ 40 PSI	8.3	10.6
	@ 90 PSI	7.1	9.2
Gal.		4	8
TANK	Style	Twin Stack Portable	Twin Portable
	Code		
Weight (Lbs)		98	183
Accessories		Regulator, 1/4" Quick Couplers x2	1/4" Quick Coupler x1



Model		PUN5520G	PUK5530HG
Engine	H.P.	5.5	5.5
	Starter	n/a	n/a
Pump R.P.M		1150	1170
FAD-CFM	@ 40 PSI	12.6	14
	@ 90 PSI	11	12
Gal.		20	30
TANK	Style	Horizontal Portable	Horizontal
	Code	ASME	ASME
Weight (Lbs)		202	340
Accessories		Regulator, 1/4" Quick Couplers x2	1/2" Ball valve



# Professional / Commercial

## Single Stage Powered by Honda GX200/ 240 Series

- Engines used on all models are 50-states compliant.
- Honda GX series engines on all units are commercial-grade with low oil protection and electric start.
- Available with choice of 6.5 and 8HP.
- Cast iron single stage V or W type pumps.
- 100% Duty cycle.



Model		PUK6530HGE	PUK-8008HGE
Engine	H.P.	6.5	8.0
	Starter	Yes*	Yes*
Pump R.P.M		1365	1365
FAD-CFM	@ 40 PSI	16	20
	@ 90 PSI	14.5	18.5
Gal.		30	8
TANK	Style	Horizontal	Twin Portable
	Code	ASME	
Weight (Lbs)		350	315
Accessories		1/2" Ball valve	Regulator, Battery holder, 1/4" Quick Couplers x2



Model		PUK-8030HGE	PUK-80HGE
Engine	H.P.	8.0	8.0
	Starter	Yes*	Yes*
Pump R.P.M		1290	1290
FAD-CFM	@ 40 PSI	22	22
	@ 90 PSI	20.5	20.5
Gal.		30	n/a
TANK	Style	Horizontal	Base Plate**
	Code	ASME	
Weight (Lbs)		485	409
Accessories		1/2" Ball valve	

\* Battery and Cable are not included.

\*\* Tank is not included.

# Professional / Commercial

## Two Stage Gas-Powered Series

- Engines used on all models are 50-states compliant.
- Honda GX series engines on all units are commercial-grade with low oil protection and electric start.
- Available with choices of 8, and 13HP Honda GX240 and GX390 engines.
- Cast iron two stage pumps.
- 100% Duty cycle.



Model		TUE-8008HGE	TE-8030HGE	TE-80HGE
Engine	H.P.	8	8	8
	Starter	Yes*	Yes*	Yes*
Pump R.P.M		1500	1260	1260
FAD-CFM	@ 90 PSI	15	16.5	16.5
	@ 175 PSI	14	15.5	15.5
TANK	Gal.	8	30	n/a
	Style	Twin Portable	Horizontal, Truck Mount	Base Plate, Truck Mount**
	Code		ASME	
Weight (Lbs)		318	407	331
Accessories		Regulator, w/ Battery holder, Quick Couplers x2	1/2" Ball valve	



Model		TUK-13030HGE	TUK-130HGE
Engine	H.P.	13	13
	Starter	Yes*	Yes*
Pump R.P.M		1230	1230
FAD-CFM	@ 90 PSI	24	24
	@ 175 PSI	23	23
TANK	Gal.	30	n/a
	Style	Horizontal, Truck Mount	Base Plate, Truck Mount**
	Code	ASME	
Weight (Lbs)		481	405
Accessories		1/2" Ball valve	

\* Battery and cables are not included.

\*\* Tank is not included.

## Professional Single Stage Belt Drive Stationary Series

- Oil lubricated, single stage cast iron pumps.
- Single phase induction motors with overload protection.
- 1/2" outlet ball valve and 1/4" drain ball valve on all units.
- Accessories such as automatic water drain, vibration damper, and regulator filter are available.
- Ideal for home and professional applications.



Model		PK-6060V	PK-6560V	PK-7060V
Electric Motor	H.P.	3	5	6.5
	R.P.M	3450 / 56	3450 / 56	3450 / 182
	Volt./ Phase/ Amp.	208-230/ Single/ 16.6-15	208- 230/ Single/ 21-19	208- 230/ Single/ 28-24
Pump R.P.M		980	1180	1130
Max. Working PSI.		135	135	135
C.F.M.	@ 40 PSI	12.6	17	21
	@ 90 PSI	11.3	15.5	19.5
TANK	Gal.	60	60	60
	Style	Vertical	Vertical	Vertical
	Code	ASME / CRN	ASME / CRN	ASME / CRN
Weight (Lbs)		305	325	360
Remark				Extend Water Drain
Magnetic Starter		n/a	Option	Combo Pressure Switch Starter

# Professional

## 3 / 5 / 6.5 H.P. Two Stage Belt Drive Stationary Series

- Oil lubricated, two stage cast iron pumps. Two cylinder V type or Three cylinder radial type pumps.
- 1/2" outlet ball valve and 1/4" extended drain ball valve on all units.
- All tanks are rated at 200 PSI with either ASME or CRN certified.
- Professional grade units are available in accessories such as automatic water drain, vibration damper, and high flow heavy duty regulator filter.



Model		TE-3040V	TE-5040V	TE-6540V
Electric Motor	H.P.	3	5	6.5
	R.P.M / Frame	3450 / 56	3450 / 56	3450 / 182
	Volt./ Phase/ Amp.	208-230 / Single / 16.6-15	208-230 / Single / 23-21	208-230 / Single / 24.5-23
Pump R.P.M		985	985	1268
Max. Working PSI.		175	175	175
FAD-CFM	@ 90 PSI	10.2	14	17
	@ 175 PSI	9.3	12.8	16
TANK	Gal.	40	40	40
	Style	Vertical	Vertical	Vertical
	Code	ASME	ASME	ASME
Weight (Lbs)		260	280	295
Magnetic Starter		n/a	Option	Combo Pressure Switch Starter



Model		TE-5080V	TE-6580V	TN-6580VM
Electric Motor	H.P.	5	6.5	6.5
	R.P.M / Frame	3450 / 56	3450 / 182	3450 / 182
	Volt./ Phase/ Amp.	208-230 / Single / 21-19	208-230 / Single / 24.5-23	208-230 / Single / 24.5-23
Pump R.P.M		985	1268	985
Max. Working PSI.		175	175	175
FAD-CFM	@ 90 PSI	14	17	17
	@ 175 PSI	12.8	16	16
TANK	Gal.	80	80	80
	Style	Vertical	Vertical	Vertical
	Code	ASME / CRN	ASME / CRN	ASME / CRN
Weight (Lbs)		460	475	500
Magnetic Starter		Option	Combo Pressure Switch Starter	Yes

# Commercial / Industrial

## 5 H.P. Two Stage Belt Drive Stationary Series



Model		TN-5080VM	TN-5080VM3 *	TUK-5080VM	TUK-5080VM3 *
Electric Motor	H.P.		5		5
	R.P.M / Frame	1740 / 184	1750 / 184	1740 / 184	1750 / 184
	Volt./ Phase/ Amp.	208-230 / Single / 16.6-15	208-230 or 460 / Three / 23-21	208-230 / Single / 23.5-21.5	208-230 or 460 / Three / 14-13.2 or 6.6
Pump R.P.M			950		950
Max. Working PSI.			175		175
FAD-CFM	@ 90 PSI		18		18.3
	@ 175 PSI		16.5		17
TANK	Gal.		80		80
	Style		Vertical		Vertical
	Code		ASME / CRN		ASME / CRN
Weight (Lbs)		550	535	560	560
Magnetic Starter			Yes		Yes
Outlet Ball Valve			1/2"		1/2"
Ext. Manual Drain			1/4"		1/4"
Premium Package			Option		Option



Model		TUK-50120VM	TUK-50120VM3 *	TUK-50120M	TUK-50120M3 *
Electric Motor	H.P.		5		5
	R.P.M / Frame	1740 / 184	1750 / 184	1740 / 184	1750 / 184
	Volt./ Phase/ Amp.	208-230 / Single / 23.5-21.5	208-230 or 460 / Three / 14-13.2 or 6.6	208-230 / Single / 23.5-21.5	208-230 or 460 / Three / 14-13.2 or 6.6
Pump R.P.M			950		950
Max. Working PSI.			175		175
FAD-CFM	@ 90 PSI		18.3		18.3
	@ 175 PSI		17		17
TANK	Gal.		120		120
	Style		Vertical		Horizontal
	Code		ASME / CRN		ASME / CRN
Weight (Lbs)		815	810	755	750
Magnetic Starter			Yes		Yes
Outlet Ball Valve			1"		1"
Ext. Manual Drain			1/4"		1/4"
Premium Package			Option		Option

\* Three phase motor, customers must specify voltage (208-230 or 460 V) when ordering.

# Commercial / Industrial

## 7.5 H.P. Two Stage Belt Drive Stationary Series



Model		TN-7580VM	TUE-7580VM	TUE-7580VM3 *	TUE-75120VM	TUE-75120VM3 *	TUE-75120M	TUE-75120M3 *
Electric Motor	H.P.	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	R.P.M / Frame	3450 / 184	1740 / 215	1740 / 215	1740 / 215	1740 / 215	1740 / 215	1740 / 215
	Volt./ Phase/ Amp.	208-230/ Single/ 33	208-230/ Single/ 33.3-31.3	208-230 or 460/ Three/ 19.8-17.9 or 8.97	208-230/ Single/ 33.3-31.3	208-230 or 460/ Three/ 19.8-17.9 or 8.97	208-230/ Single/ 33.3-31.3	208-230 or 460/ Three/ 19.8-17.9 or 8.97
Pump R.P.M		1161	1180	1180	1180	1180	1180	1180
Max. Working PSI.		175	175	175	175	175	175	175
FAD-CFM	@ 90 PSI	22	23	23	23	23	23	23
	@ 175 PSI	21	22	22	22	22	22	22
TANK	Gal.	80	80	80	120	120	120	120
	Style	Vertical	Vertical	Vertical	Vertical	Vertical	Horizontal	Horizontal
	Code	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN
Weight (Lbs)		550	600	550	835	830	775	770
Magnetic Starter		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Outlet Ball Valve		1/2"	1/2"	1/2"	1"	1"	1"	1"
Ext. Manual Drain		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Premium Package		Option	Option	Option	Option	Option	Option	Option



Model		TUK-7580VM	TUK-7580VM3 *	TUK-75120VM	TUK-75120VM3 *	TUK-75120M	TUK-75120M3 *
Electric Motor	H.P.	7.5	7.5	7.5	7.5	7.5	7.5
	R.P.M / Frame	1740 / 215	1740 / 215	1740 / 215	1740 / 215	1740 / 215	1740 / 215
	Volt./ Phase/ Amp.	208-230 / Single / 40	460 / Three / 8.97	208-230 / Single / 40	208-230 or 460 / Three / 19.8-17.9 or 8.97	208-230 / Single / 40	208-230 / Three / 19.8-17.9
Pump R.P.M		890	890	890	890	890	890
Max. Working PSI.		175	175	175	175	175	175
FAD-CFM	@ 90 PSI	24	24	24	24	24	24
	@ 175 PSI	23	23	23	23	23	23
TANK	Gal.	80	120	120	120	120	120
	Style	Vertical	Vertical	Vertical	Vertical	Horizontal	Horizontal
	Code	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN	ASME / CRN
Weight (Lbs)		620	610	950	945	955	950
Magnetic Starter		Yes	Yes	Yes	Yes	Yes	Yes
Outlet Ball Valve		1/2"	1/2"	1"	1"	1"	1"
Ext. Manual Drain		1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Premium Package		Option	Option	Option	Option	Option	Option

\* Three phase motor, customers must specify voltage (208-230 or 460 V) when ordering.

# Commercial / Industrial

## 10/15/20 H.P. Two Stage Belt Drive Stationary Series



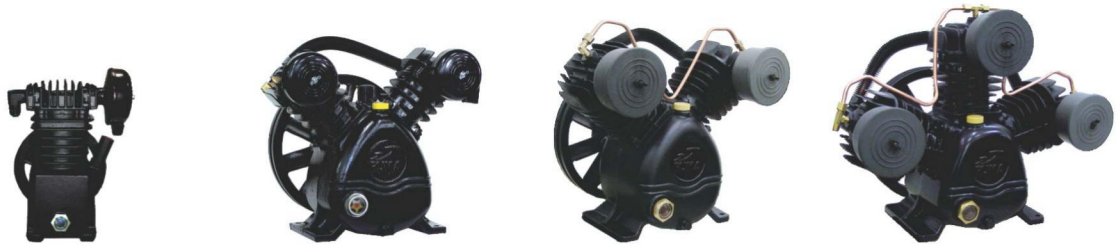
Model		TUK-10080VM1	TUK-10080VM3 *	TUK-100120VM1	TUK-100120VM3 *	TUK-100120M1	TUK-100120M3 *
Electric Motor	H.P.	10		10		10	
	R.P.M / Frame	1740 / 215		1740 / 215		1740 / 215	
	Volt./ Phase/ Amp.	208-230 / Single / 44.8-39	208-230 or 460/ Three/ 27-24.4 or 12.2	208-230 / Single / 44.8-39	208-230 or 460/ Three/ 27-24.4 or 12.2	208-230 / Single / 44.8-39	208-230 or 460/ Three/ 27-24.4 or 12.2
Pump R.P.M		800	870	800	870	800	870
Max. Working PSI.		175		175		175	
C.F.M.	@ 90 PSI	33	36.3	33	36.3	33	36.3
	@ 175 PSI	32	34.2	32	34.2	32	34.2
TANK	Gal.	80		120		120	
	Style	Vertical		Vertical		Horizontal	
	Code	ASME / CRN		ASME / CRN		ASME / CRN	
Weight (Lbs)		740		995		1020	
Magnetic Starter		Yes		Yes		Yes	
Outlet Ball Valve		1/2"		1"		1"	
Ext. Manual Drain		1/4"		1/4"		1/4"	
Premium Package		Option		Option		Option	



Model		TUK-150120VM3 *	TUK-150120M3 *	TUK-200120M3 *
Electric Motor	H.P.	15	15	20
	R.P.M / Frame	1740 / 254	174 / 254	1740 / 256
	Volt./ Phase/ Amp.	208-230 or 460 / Three / 39-35.4 or 17.7	208-230 or 460 / Three / 39-35.4 or 17.7	208-230 or 460 / Three / 54 or 27
Pump R.P.M		870	870	800 / 870
Max. Working PSI.		175	175	175
C.F.M.	@ 90 PSI	50	50	75
	@ 175 PSI	48	48	64
TANK	Gal.	120	120	120
	Style	Vertical	Horizontal	Horizontal
	Code	ASME / CRN	ASME / CRN	ASME / CRN
Weight (Lbs)		1080	1100	1180
Magnetic Starter		Yes	Yes	Yes
Outlet Ball Valve		1"	1"	1"
Ext. Manual Drain		1/4"	1/4"	1/4"
Premium Package		Option	Option	Option

\* Three phase motor, customers must specify voltage (208-230 or 460 V) when ordering.

# Single Stage Pumps Single Stage Belt Drive Oil Lube



Model	PK20	PK50	PUK60	PUK65
H.P.	3/4-1	1-2	2-4.5	3-5
R.P.M.	815-1040	850-1150	986-1400	900-1315
*Displ. CFM	5.6	7.6	15	22
*Deliv. CFM	3	5	12	17
No. of Cyl.	1	2	2	3
Max. PSI.	140	140	140	140
Dimension (in)	8×8×11	15×11×13	15×11×14	18×11×15
Weight (lbs)	20	35	41	58
Remarks			w/Head unloader	w/Head unloader



Model	PP60	PP65	CUK30
H.P.	2-3.5	3-4.5	2-4
R.P.M.	986-1200	900-1150	775-1200
*Displ. CFM	13	20	17
*Deliv. CFM	10	15.5	13.5
No. of Cyl.	2	3	2
Max. PSI.	135	135	140
Dimension (in)	16×11×14	18×11×15	15×13×13
Weight (lbs)	47	53	57
Remarks			w/Head unloader



Model	CK20	CK30	CK40
H.P.	1.5-3	2-4	4.5-6.5
R.P.M.	775-1270	775-1200	775-1130
*Displ. CFM	11	17	24
*Deliv. CFM	9	13.5	19.5
No. of Cyl.	2	2	3
Max. PSI.	140	140	140
Dimension (in)	15×13×13	15×13×13	20×14×17
Weight (lbs)	55	57	68
Remarks			



## Two Stage Pumps

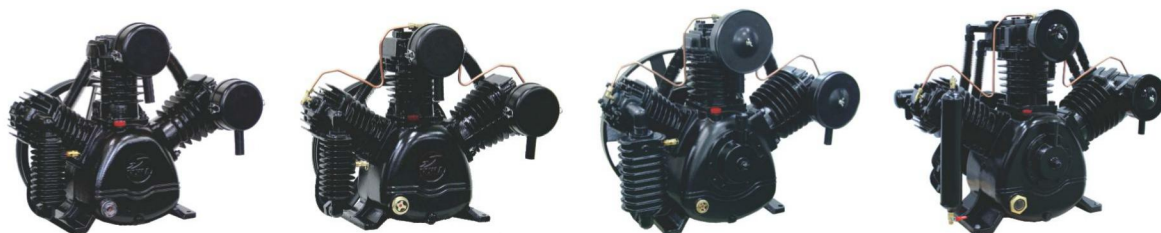
## Two Stage Belt Drive Oil Lube



Model	<b>GT27</b>	<b>TE30</b>	<b>CT40</b>	<b>CT47</b>	<b>CT51</b>
H.P.	1.75-2.25	3-4.5	4-5	4.5-6.5	5-7.5
R.P.M.	900-1300	985-1200	850-1260	850-1500	900-1300
*Displ. CFM	8.1	13.5	17.7	24.5	27.7
*Deliv. CFM	6.9	11.5	15.5	20.8	23.5
No. of Cyl.	2(L×1&H×1)	3(L×2&H×1)	3(L×2&H×1)	3(L×2&H×1)	2(L×1&H×1)
Max. PSI.	175	175	175	175	175
Dimension (in)	14×11×13	18×11×15	20×14×17	18.5×13×15.5	23×14×21
Weight (lbs)	45	58	73	71.5	123
Remarks					



Model	<b>CUT75</b>	<b>CUT100</b>	<b>CUT150</b>	<b>TUE50</b>
H.P.	7.5-10	10	15	3.5-5
R.P.M.	860-1300	950	870	850-1500
*Displ. CFM	39	40	58	17
*Deliv. CFM	33	34	48	15
No. of Cyl.	3(L×2&H×1)	3(L×2&H×1)	4(L×3&H×1)	3(L×2&H×1)
Max. PSI.	175	175	175	175
Dimension (in)	25.6×17×21.6	28×17×24	28×22×23	18×11×15
Weight (lbs)	158.5	210	308	61
Remarks	w/ Head unloader	w/ Head unloader	w/ Head unloader	w/ Head unloader



Model	<b>TK50</b>	<b>TUK50</b>	<b>TUK100</b>	<b>TUK200</b>
H.P.	5-7.5	5-7.5	10	20
R.P.M.	950-1300	950-1300	870	935
*Displ. CFM	28	28	40	74.7
*Deliv. CFM	23.6	23.6	34.2	62
No. of Cyl.	3(L×2&H×1)	3(L×2&H×1)	3(L×2&H×1)	175
Max. PSI.	175	175	175	3(L×2&H×1)
Dimension (in)	23×15×20	23×11×20	27×21×22	33.1×21.3×26
Weight (lbs)	132	135	250	415
Remarks		w/ Head unloader	w/ Head unloader	w/ Head unloader

# Oil Less Pumps

## Single Stage Direct Drive Oil Less



Model	LA57	LA75	MG90
H.P.	3/4	3/4	1.5
R.P.M.	3450	1720	3450
* Displ. CFM	3.8	3.0	5.9
* Deliv. CFM	2.2	1.6	3.6
No. of Cyl.	1	1	1
Max. PSI.	140	140	140
Dimension (in)	11×7×10	13×9×10	12×6.3×5.7
Weight (lbs)	18	23	22
# dBA	76	75	78



Model	WS1	WD2	PF2	PF3
H.P.	1	2	1.5	3
R.P.M.	1720	1720	1720	1720
* Displ. CFM	3.8	7.6	6.1	10.4
* Deliv. CFM	2.0	4	3.5	5.8
No. of Cyl.	1	2	1	2
Max. PSI.	140	140	140	140
Dimension (in)	12×9×9	13×9×9	16×11×13	17×15×13
Weight (lbs)	22	31	44	61
# dBA	61	63	75	78

## Single Stage Belt Drive Oil Less



Model	BF2	BUF5	BUF10
H.P.	2	5	10
R.P.M.	830	810	820
* Displ. CFM	9.7	24.7	47
* Deliv. CFM	6.7	18.5	31.5
No. of Cyl.	2	2	3
Max. PSI.	140	140	140
Dimension (in)	17×11×17	26×17×24	30×22×29
Weight (lbs)	50	125	210
Remarks		w/ Head unloader	w/ Head unloader

\* Displacement CFM ratings are based on max. horsepower of units, and Delivered CFM ratings are measured at 90 PSIG under max. horsepower.

# dBA may vary according to the configuration.

# AIR TOOLS

## Air Impact Wrench

### ■ AT-5380-6



#### 1" AIR RATCHET WRENCH W/6" ANVIL

Hammer mechanism : Twin hammer  
 Square drive : 1"  
 Max. torque : 1600 ft/lbs  
 Bolt capacity : 1-3/8"  
 Free speed : 5000  
 Length : 19.17"  
 Air inlet : 1/2"  
 Air hose : 1/2"  
 Working pressure : 90-115 psi  
 Weight : 17.86 lb  
 Air Consumption :  
 9 CFM avg.; 36 CFM @ load

### ■ AT-5261



#### 3/4" COMPOSITE AIR IMPACT WRENCH

Hammer mechanism : Twin hammer  
 Square drive : 3/4"  
 Max. torque : 1050 ft/lbs  
 Bolt capacity : 1-1/8"  
 Free speed : 6500  
 Length : 8.74"  
 Air inlet : 3/8"  
 Air hose : 1/2"  
 Working pressure : 90 psi  
 Weight : 8.16 lb  
 Air Consumption :  
 7.5 CFM avg.; 30 CFM @ load

### ■ AT-5348



#### 1/2" HEAVY DUTY COMPOSITE AIR IMPACT WRENCH

Hammer mechanism : Twin hammer  
 Square drive : 1/2"  
 Max. torque : 600 ft/lbs  
 Bolt capacity : 3/4"  
 Free speed : 7000  
 Length : 7.83"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 4.4 lb  
 Air Consumption :  
 5 CFM avg.; 20 CFM @ load

### ■ AT-5247



#### 1/2" AIR IMPACT WRENCH

Hammer mechanism : Twin hammer  
 Square drive : 1/2"  
 Max. torque : 500 ft/lbs  
 Bolt capacity : 5/8"  
 Free speed : 7000  
 Length : 7.28"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 5.73 lb  
 Air Consumption :  
 5.5 CFM avg.; 22 CFM @ load

### ■ AT-5641



#### 1/2" AIR IMPACT WRENCH

Hammer mechanism : Twin hammer  
 Square drive : 1/2"  
 Max. torque : 480 ft/lbs  
 Bolt capacity : 5/8"  
 Free speed : 10000  
 Length : 4.45"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 3.31 lb  
 Air Consumption :  
 4.5 CFM avg.; 18 CFM @ load

### ■ AT-5646



#### 1/2" AIR IMPACT WRENCH

Hammer mechanism : Jumbo hammer  
 Square drive : 1/2"  
 Max. torque : 400 ft/lbs  
 Bolt capacity : 5/8"  
 Free speed : 9000  
 Length : 3.46"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 2.78 lb  
 Air Consumption :  
 4.5 CFM avg.; 18 CFM @ load

### ■ AT-5236



#### 3/8" AIR IMPACT WRENCH

Hammer mechanism : Jumbo hammer  
 Square drive : 3/8"  
 Max. torque : 350 ft/lbs  
 Bolt capacity : 1/2"  
 Free speed : 11000  
 Length : 3.9"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 3.0 lb  
 Air Consumption :  
 4.5 CFM avg.; 18 CFM @ load

### ■ AT-5130



#### 3/8" AIR IMPACT WRENCH

Hammer mechanism : Rocking Dog hammer  
 Square drive : 3/8"  
 Max. torque : 125 ft/lbs  
 Bolt capacity : 3/8"  
 Free speed : 9500  
 Length : 7.09"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 2.31 lb  
 Air Consumption :  
 4 CFM avg.; 16 CFM @ load

# AIR TOOLS

## Air Ratchet Wrench

### ■ AT-5256



#### 1/4" AIR RATCHET WRENCH

Square drive : 1/4"  
 Max. torque : 20 ft/lb  
 Bolt capacity : 1/4"  
 Free speed : 260  
 Length : 6.3"  
 Air inlet : 1/4"  
 Air hose : 1/4"  
 Working pressure : 90 psi  
 Weight : 1.1 lb  
 Air Consumption :  
 2.8 CFM avg.; 11 CFM @ load

### ■ AT-5350



#### 3/8" RECOILLESS AIR RATCHET WRENCH

Square drive : 3/8"  
 Max. torque : 50 ft/lb  
 Bolt capacity : 3/8"  
 Free speed : 400  
 Length : 11.61"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 2.78 lb  
 Air Consumption :  
 4 CFM avg.; 16 CFM @ load

## Drill

### ■ AT-4237RS



#### 3/8" REVERSIBLE AIR DRILL (3000 RPM)

Chuck size : 3/8"  
 Free speed : 3000  
 Spindle : 3/8" - 24  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Length : 7.68"  
 Working pressure : 90 psi  
 Weight : 2.87 lb  
 Air Consumption :  
 4.5 CFM avg.; 18 CFM @ load

### ■ AT-4147R



#### 1/2" REVERSIBLE AIR DRILL (800 RPM)

Chuck size : 1/2"  
 Free speed : 800  
 Spindle : 3/8" - 24  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Length : 9.13"  
 Working pressure : 90 psi  
 Weight : 3.88 lb  
 Air Consumption :  
 4.5 CFM avg.; 18 CFM @ load

## Shear

### ■ AT-6021



#### AIR METAL SHEARS

Cutting capacity(mm) : Steel 1.2 / Alum. 1.4  
 Width of cut : 5.6 mm  
 Free speed : 2500  
 Length : 8.46"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 2.51 lb  
 Working pressure : 90 psi  
 Air Consumption :  
 4 CFM avg.; 16 CFM @ load

### ■ AT-6024



#### AIR SCISSOR SHEAR

Cutting capacity(mm) : Steel 1.2 / Alum. 1.4  
 Free speed : 2500  
 Length : 11.81"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 2.58 lb  
 Working pressure : 90 psi  
 Air Consumption :  
 4 CFM avg.; 16 CFM @ load

## Cut Off Tool

### ■ AT-6126



#### 3" AIR CUT OFF TOOL

Cutting wheel dia. : 3" x 1/16" x 3/8"  
 Free speed : 20000  
 Length : 7.09"  
 Air inlet : 1/4"  
 Air Hose : 3/8"  
 Weight : 1.85 lb  
 Working pressure : 90 psi  
 Air Consumption :  
 3.5 CFM avg.; 14 CFM @ load

## Nibbler

### ■ AT-6123



#### AIR NIBBLER (PULL)

Cutting capacity (mm) : steel 1.4 / alum. 1.6  
 Stroke per minute (B.P.M.) : 3500  
 Length : 7.68"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 2.05 lb  
 Working pressure : 90 psi  
 Air Consumption :  
 4 CFM avg.; 16 CFM @ load

## AIR TOOLS

### Hammer

#### ■ AT-2036/R



#### 190MM AIR HAMMER W/QUICK CHANGE RETAINER

Chisel shank : 0.401" Round  
 Bore Diameter : 3/4"  
 Piston Stroke Length : 2-5/8"  
 Blow per min : 3200 B.P.M.  
 Length : 6.93"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 3.70 lb  
 Air Consumption :  
 7 CFM avg.; 14 CFM @ load

### Needle Scaler

#### ■ AT-2680N



#### AIR NEEDLE SCALER

Needles size :  $\Phi 3 \times 180 \times 19$  pcs  
 Blow per min : 4000 B.P.M.  
 Length : 16.1"  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Working pressure : 90 psi  
 Weight : 5.70 lb  
 Air Consumption :  
 7 CFM avg.; 14 CFM @ load

### Accessory

#### ■ TP-2021K/R



#### 6 PCS CHISEL BITS FOR AIRHAMMER; AT2036R

1pc Point chisel  
 1pc Flat chisel  
 1pc Edging chisel  
 1pc Single cut penel cutter  
 1pc Hammer chisel  
 1pc 1/2" Punch

#### ■ AT-2071



#### NEEDLE SCALER ATTACHMENT FOR AIR HAMMER; AT-2036/R

Needles size :  $\Phi 3 \times 180 \times 19$  pcs

### Grease Gun/Accessory

#### ■ AT-6038L



#### COMPOSITE AIR GREASE GUN (500CC/16oz)

Capacity: 500ml (16oz)  
 Grease port outlet PT: 1/8" NPT  
 Air inlet: 1/4"  
 Air hose: 3/8"  
 Outlet pressure: 3600 psi  
 Weight: 2.20lb  
 Working pressure: 90 psi

#### ■ TP6036C



#### 18" FLEXIBLE NYLON HOSE

For Air Tools:  
 AT-6038 ; AT6038L (kg/cm<sup>2</sup>)  
 Weight : 5.70 lb

### Tire Inflator

#### ■ AA-6100



#### TIRE INFLATOR KIT

Range: 10 to 170 PSI  
 Includes 1/4" quick connect plug  
 Swivel Dial gauge with protective rubber guard  
 Trigger actuated functions  
 Includes one straight lock-on chuck and a 30° dual air chuck  
 Includes a 12" hose extension

#### ■ AA-6001A



#### TIRE INFLATOR WITH GAUGE

Range : 10 to 120 psi  
 Hose length : 12"  
 Chuck : 6" dual air chuck  
 Air inlet : 1/4"

# AIR TOOLS

## Grinder

### ■ AT-7034



#### 1/4" AIR ANGLE DIE GRINDER

Collet size : 1/4"  
 Free speed : 18000 RPM  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 1.10 lb  
 Length : 6.3"  
 Working pressure : 90 psi  
 Air Consumption :  
 6 CFM avg.; 12 CFM @ load

### ■ AT-7435



#### 1/4" AIR ANGLE DIE GRINDER

Collet size : 1/4"  
 Free speed : 30000 RPM  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 0.97 lb  
 Length : 4.72"  
 Working pressure : 90 psi  
 Air Consumption :  
 6 CFM avg.; 12 CFM @ load

### ■ AT-7032



#### 1/4" MINI DIE GRINDER

Collet size : 1/4"  
 Free speed : 25000 RPM  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 0.79 lb  
 Length : 6.3"  
 Working pressure : 90 psi  
 Air Consumption :  
 6 CFM avg.; 12 CFM @ load

### ■ AT-7033L



#### 1/4" EXTENDED DIE GRINDER

Collet size : 1/4"  
 Free speed : 25000 RPM  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 1.41 lb  
 Length : 9.84"  
 Working pressure : 90 psi  
 Air Consumption :  
 6 CFM avg.; 12 CFM @ load

### ■ AT-7051



#### 5" ANGEL GRINDER

Grinding wheel size : 5"  
 Free speed : 12000 RPM  
 Air inlet : 1/4"  
 Air hose : 3/8"  
 Weight : 3.53 lb  
 Length : 8.66" (220mm)  
 Working pressure : 90 psi  
 Air Consumption :  
 11.5 CFM avg.; 23 CFM @ load

## Blow Gun

### ■ AA-5018



#### AIR BLOW GUN (110MM-TUBE)

Body Material : Plastic P.O.M.  
 Nozzle Material : Steel  
 Nozzle length : 4.3" (110mm)  
 Air inlet : 1/4"  
 Air hose : 1/4"  
 Working pressure : 116 psi  
 Max pressure : 160 psi

### ■ AA-3020



#### AIR BLOW GUN

Body Material : Zinc  
 Nozzle Material : Zinc  
 Nozzle length : 0.63" (16mm)  
 Air inlet : 1/4"  
 Air hose : 1/4"  
 Working pressure : 115 psi  
 Max pressure : 213 psi

# Filter, Regulator & Lubricator

Regulator		Regulator Filter	
<ul style="list-style-type: none"> <li>● AA-2121R</li> <li>● AA-2123R</li> <li>● AA-2124R</li> </ul> 	<p><b>1/4" AIR REGULATOR &amp; GAUGE</b> Max. Input / Output Pressure: 150/145PSI Ambient Temp: 41-140°F Gauge Port: 1/8" NPT</p> <p><b>3/8" AIR REGULATOR &amp; GAUGE</b> Max. Input / Output Pressure: 215/145PSI Ambient Temp: 41-140°F Gauge Port: 1/4" NPT</p> <p><b>1/2" AIR REGULATOR &amp; GAUGE</b> Max. Input / Output Pressure: 215/145PSI Ambient Temp: 41-140°F Gauge Port: 1/4" NPT</p>	<ul style="list-style-type: none"> <li>● AA-2121FR</li> </ul> 	<p><b>1/4" FILTER &amp; REGULATOR</b> Filter Rating (Microns): 20 Max. Input / Output Pressure: 150/145PSI Max. Flow: 35 CFM Ambient Temp: 41-140°F Drain Capacity: 15ml Bowl Size (Oz): 1.7</p>
<ul style="list-style-type: none"> <li>● 2408008LNGI</li> </ul> 	<p><b>AIR REGULATOR &amp; GAUGE</b> Specifications: Air Inlet / Outlet ..... 1/4" NPT Max. Work Pressure ..... 150 PSI</p>	<ul style="list-style-type: none"> <li>● AA-2023FR</li> <li>● AA-2024FR</li> </ul> 	<p><b>3/8" FILTER &amp; REGULATOR</b> Max. Input / Output Pressure: 215/145PSI Ambient Temp: 41-140°F Drain Capacity: 80ml Bowl Size (Oz): 5.1</p>
<ul style="list-style-type: none"> <li>● 072-P125N02-S01</li> </ul> 	<p><b>1/4" AIR REGULATOR</b> Max. Input/output Pressures: 220/135PSI Ambient Temp: 23-140°F Gauge Port: 1/4" NPT</p>	<ul style="list-style-type: none"> <li>● AA-2153R-08</li> </ul> 	<p><b>1/2" FILTER &amp; REGULATOR</b> Max. Input/ Output Pressure: 175 PSI Ambient Temp: 41-140°F Drain Capacity: 80ml Bowl Size (Oz): 5.1</p>
<h2>Filter</h2>		<h2>Lubricator</h2>	
<ul style="list-style-type: none"> <li>● AA-2121F</li> </ul> 	<p><b>1/4" Filter</b> Filter Rating (Microns): 20 Max. Input / Output Pressure: 150/145PSI Max. Flow: 35 CFM Ambient Temp: 41-140°F Drain Capacity: 15ml Bowl Size (Oz): 1.7</p>	<ul style="list-style-type: none"> <li>● AA-2023L</li> <li>● AA-2024L</li> </ul> 	<p><b>3/8" LUBRICATOR</b> Max. Input / Output Pressure: 145/140PSI Max. Flow: 69 CFM Ambient Temp: 41-140°F Oil Capacity: 125 ml Usable Oil: ISO VG-32</p>
<ul style="list-style-type: none"> <li>● AA-2023F</li> <li>● AA-2024F</li> </ul> 	<p><b>3/8" FILTER</b> Filter Rating (Microns): 20 Max. Input / Output Pressure: 175/140PSI Max. Flow: 69 CFM Ambient Temp: 41-140°F Drain Capacity: 80ml Bowl Size (Oz): 5.1</p>	<ul style="list-style-type: none"> <li>● AA-2151F-06</li> </ul> 	<p><b>1/2" LUBRICATOR</b> Max. Input / Output Pressure: 145/140PSI Max. Flow: 77 CFM Ambient Temp: 41-140°F Oil Capacity: 125 ml Usable Oil: ISO VG-32</p>
<ul style="list-style-type: none"> <li>● AA-2151F-06</li> </ul> 	<p><b>1/2" FILTER</b> Filter Rating (Microns): 20 Max. Input / Output Pressure: 145PSI Max. Flow: 69 CFM Ambient Temp: 41-140°F Drain Capacity: 80ml Bowl Size (Oz): 5.1</p>	<h2>Replacement Filter Element</h2>	
<ul style="list-style-type: none"> <li>● AA-2153F-08</li> </ul> 	<p><b>COMPRESSED AIR FILTER (METAL HOUSING)</b> Filter Rating (Microns): 5 Max. Input / Output Pressure: 250 PSI Flow Rate: 145 SCFM Ambient Temp: 41-140°F Drain Capacity: 80ml Bowl Size(Oz): 8.45</p>	<ul style="list-style-type: none"> <li>● A2151A-04</li> </ul> 	<p><b>COMPRESSED AIR FILTER ELEMENT</b> For AA-2151F-06</p>
<ul style="list-style-type: none"> <li>● AA-2153F-08</li> </ul> 	<p><b>COMPRESSED AIR FILTER (METAL HOUSING)</b> Filter Rating (Microns): 5 Max. Input / Output Pressure: 250 PSI Flow Rate: 184 SCFM Ambient Temp: 41-140°F Drain Capacity: 300ml Bowl Size(Oz): 20.29</p>	<ul style="list-style-type: none"> <li>● A2153A-04</li> </ul> 	<p><b>COMPRESSED AIR FILTER ELEMENT</b> For AA-2153F-08</p>
		<ul style="list-style-type: none"> <li>● A2024A-07</li> </ul> 	<p><b>FILTER ELEMENT REPLACEMENT</b> For AA-2023FR, AA-2024FR, AA-2023F AA-2024F</p>
		<ul style="list-style-type: none"> <li>● A2121A-05</li> </ul> 	<p><b>FILTER ELEMENT REPLACEMENT</b> For AA-2121F, AA-2121FR</p>

Legend : ● Blue Retail Package ● Yellow Retail Package ● White Box Only

# Accessories

## Engine Controller & Valve

<ul style="list-style-type: none"> <li>● 041-PV175MN-000</li> <li>● 041-PV135MN-000</li> </ul> 	<p><b>PILOT VALVE</b> Internal Diameter: 1/4" NPT Male Work Pressure : 140~175 PSI</p> <hr/> <p>Internal Diameter: 1/4" NPT Male Work Pressure : 105~135 PSI</p>	<ul style="list-style-type: none"> <li>● CV-1</li> <li>● CV-2</li> </ul> 	<p><b>PILOT UNLOADER CHECK VALVE (LOAD GENIE)</b> Inlet: 1/2" Outlet: 1/2" CV-1 Pressure:95-125 PSI CV-2 Pressure:145-175 PSI</p>
<ul style="list-style-type: none"> <li>● 041-PU135RC-000</li> <li>● 041-PU175RC-000</li> </ul> 	<p><b>PILOT UNLOADER VALVE 105-135 PSI</b> 1/4" NPT Male Port 3/8" NPT Female Unload Port 1/8" NPT Female Pilot Port</p> <hr/> <p><b>PILOT UNLOADER VALVE 145-175 PSI</b> 1/4" NPT Male Port 3/8" NPT Female Unload Port 1/8" NPT Female Pilot Port</p>	<ul style="list-style-type: none"> <li>● CV-3</li> </ul> 	<p><b>PILOT UNLOADER CHECK VALVE (LOAD GENIE)</b> Pressure:145 - 175 PSI w/ 3/4" INLET &amp; 1/2" OUTLET PORTS</p>
<ul style="list-style-type: none"> <li>● 041-DV20RC-000</li> </ul> 	<p><b>DISCHARGE VALVE 20 CFM w/ MUFFLER</b></p>	<ul style="list-style-type: none"> <li>● 2407005</li> </ul> 	<p><b>PILOT VALVE</b> Internal diameter : 1/4 NPT Female Work Pressure : 140 ~ 175 PSI</p>
<ul style="list-style-type: none"> <li>● 031-H065P175RC</li> </ul> 	<p><b>PNEUMATIC THROTTLE CONTROL KIT FOR HONDA GX160 ENGINE</b></p>	<ul style="list-style-type: none"> <li>● 2407007</li> </ul> 	<p><b>PILOT VALVE</b> Internal diameter : 1/4 NPT Female Work Pressure : 105 ~ 135 PSI</p>
<ul style="list-style-type: none"> <li>● 031-H090P175RC</li> </ul> 	<p><b>PNEUMATIC THROTTLE CONTROL KIT FOR HONDA GX240 / GX270 ENGINE</b></p>	<ul style="list-style-type: none"> <li>● 031-H130P175RC</li> </ul> 	<p><b>PNEUMATIC THROTTLE CONTROL KIT FOR HONDA GX340 / GX390 ENGINE</b></p>
<ul style="list-style-type: none"> <li>● 031-H090P175RC</li> </ul> 	<p><b>PNEUMATIC THROTTLE CONTROL KIT FOR SUBARU EX17 / EX27 ENGINE</b></p>	<ul style="list-style-type: none"> <li>● 031-S140P175RC</li> </ul> 	<p><b>PNEUMATIC THROTTLE CONTROL KIT FOR SUBARU EX17 / EX27 ENGINE</b></p>

## Service Valve / Drain Valve

<ul style="list-style-type: none"> <li>● 2413020N</li> <li>● 2413012N</li> <li>● 2413002N</li> </ul> 	<p><b>SERVICE VALVE (FEMALE/FEMALE)</b> 1/4" NPT Service Valve</p> <hr/> <p>3/8" NPT Service Valve</p> <hr/> <p>1/2" NPT Service Valve</p>	<ul style="list-style-type: none"> <li>● 2405011</li> </ul> 	<p><b>DRAIN VALVE</b> 1/4" PT Male Drain Valve (Male/Female)</p>
<ul style="list-style-type: none"> <li>● 2413007</li> </ul> 	<p><b>SERVICE VALVE (MALE/FEMALE)</b> 1/2" PT Service Valve</p>	<ul style="list-style-type: none"> <li>● 2413014N</li> </ul> 	<p><b>DRAIN VALVE</b> 1/4" NPT Male Drain Valve (Male/Female)</p>
<ul style="list-style-type: none"> <li>● 055-10MN10FN</li> </ul> 	<p><b>SERVICE VALVE (MALE/FEMALE)</b> 1" Male/Female</p>	<ul style="list-style-type: none"> <li>● 2413020</li> </ul> 	<p><b>DRAIN VALVE</b> 1/4" NPT Drain Valve (Male/Male)</p>

## ASME Pressure Relief Valve






<ul style="list-style-type: none"> <li>● 84006007</li> <li>● 84006009</li> <li>● 84006010</li> <li>● 84006018</li> </ul> 	<p>1/4" NPT 100 PSI</p> <hr/> <p>1/4" NPT 150 PSI</p> <hr/> <p>1/4" NPT 200 PSI</p> <hr/> <p>1/4" NPT 165 PSI</p>	<ul style="list-style-type: none"> <li>● 2406016</li> <li>● 84006010</li> </ul> 	<p><b>PRESSURE RELIEF VALVE</b> Size: 1/4" Relief Pressure: 150 PSI</p> <hr/> <p>Size: 1/4" Relief Pressure: 200 PSI</p>
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# Accessories













Check Valve			
<ul style="list-style-type: none"> <li>● CV1212M</li> <li>● CV3434M</li> <li>● CV1010M</li> </ul> 	<p><b>CHECK VALVE</b> CV1212M 1/2" Male/Female</p> <p>CV3434M 3/4" Male/Female</p> <p>CV1010M 1" Male/Female</p>	<ul style="list-style-type: none"> <li>● 013-02MFN-AU1</li> <li>● 013-03MFN-AU1</li> </ul> 	<p><b>CHECK VALVE W/ AUTO UNLOADER</b> 1/4" Male / Female, CFM: 1-6</p>
	<p><b>CHECK VALVE W/ AUTO UNLOADER</b> 3/8" Male / Female, CFM: 3-12</p>		
<ul style="list-style-type: none"> <li>● 2414025T</li> </ul> 	<p><b>1/2" CHECK VALVE (TEFLON)</b> 90° ELBOW JIC 3/4-16 37° Flair to 1/2" PT</p>	<ul style="list-style-type: none"> <li>● 2414037X</li> </ul> 	<p><b>CHECK VALVE</b> JIC 9/16-18 37° Flair to 1/2" PT</p>

Pressure Switch			
<ul style="list-style-type: none"> <li>● 2E21-AF276CM</li> <li>● 2E21-AF357CM</li> </ul> 	<p><b>PRESSURE SWITCH 105-135 PSI</b> 1/4" NPT Four Port Amperage Rating: 25A Straight Unloader</p>	<ul style="list-style-type: none"> <li>● 2E21-025T</li> <li>● 2E21-013TB</li> </ul> 	<p><b>PRESSURE SWITCH 95-125 PSI</b> Four Port With ON/OFF Switch</p>
	<p><b>PRESSURE SWITCH 135-175 PSI</b> 1/4" NPT Four Port Amperage Rating: 25A Straight Unloader</p>		<p><b>PRESSURE SWITCH 95-125 PSI</b> Single Port With ON/OFF Switch</p>
<ul style="list-style-type: none"> <li>● 2E21-CF276CM</li> <li>● 2E21-CF357CM</li> </ul> 	<p><b>PRESSURE SWITCH 105-135 PSI</b> 1/4" NPT Single Port Amperage Rating: 25A Straight Unloader</p>	<ul style="list-style-type: none"> <li>● 2E21-008X</li> <li>● 2E21-042T</li> </ul> 	<p><b>PRESSURE SWITCH 140-175 PSI</b> Single Port With ON/OFF Switch</p>
	<p><b>PRESSURE SWITCH 135-175 PSI</b> 1/4" NPT Single Port Amperage Rating: 25A Straight Unloader</p>		<p><b>PRESSURE SWITCH 140-175 PSI</b> Four Port With ON/OFF Switch</p>
<ul style="list-style-type: none"> <li>● 2E21-AF276DM</li> <li>● 2E21-AF357DM</li> </ul> 	<p><b>PRESSURE SWITCH 105-135 PSI</b> 1/4" NPT Four Port Amperage Rating: 25A 90° Elbow Swivel Unloader</p>	<ul style="list-style-type: none"> <li>● 056-CD135P4-M01</li> <li>● 056-CD175P4-M01</li> </ul> 	<p><b>COMBO PRESSURE SWITCH STARTER</b> 105-135 PSI 1/4" NPT Four Port Amperage Rating: 30A Swivel Unloader</p>
	<p><b>PRESSURE SWITCH 135-175 PSI</b> 1/4" NPT Four Port Amperage Rating: 25A 90° Elbow Swivel Unloader</p>		<p><b>COMBO PRESSURE SWITCH STARTER</b> 145-175 PSI 1/4" NPT Four Port Amperage Rating: 30A Swivel Unloader</p>

Pressure Gauge			
<ul style="list-style-type: none"> <li>● 2D12-15D200I</li> <li>● 2D12-20D200I</li> </ul> 	<p><b>1-1/2" PRESSURE GAUGE</b> Thread Size: 1/8" NPT Range: 200 PSI</p>	<ul style="list-style-type: none"> <li>● 2D12-25V300I</li> </ul> 	<p><b>2-1/2" PRESSURE GAUGE</b> Thread Size :1/4 NPT RANGE : 300PSI</p>
	<p><b>2" PRESSURE GAUGE</b> Thread Size: 1/4" NPT Range: 200 PSI</p>		<p><b>2-1/2" LIQUID-FILLED PRESSURE GAUGE</b> Thread Size :1/4 NPT RANGE : 300PSI</p>
<ul style="list-style-type: none"> <li>● 2D12-15V200I</li> <li>● 2D12-15V200I2</li> <li>● 2D12-20V200I</li> </ul> 	<p><b>1-1/2" PRESSURE GAUGE</b> Thread Size: 1/8" NPT Range: 200 PSI</p>	<ul style="list-style-type: none"> <li>● 2D12-25V20KL</li> </ul> 	<p><b>2-1/2" LIQUID-FILLED PRESSURE GAUGE</b> Thread Size :1/4 NPT RANGE : 300PSI</p>
	<p><b>1-1/2" PRESSURE GAUGE</b> Thread Size: 1/4" NPT Range: 200 PSI</p>		<p><b>2.5" PRESSURE GAUGE</b> Thread Size: 1/4" NPT Range: 300 PSI</p>
	<p><b>2" PRESSURE GAUGE</b> Thread Size: 1/4" NPT Range: 200 PSI</p>	<ul style="list-style-type: none"> <li>● 2D12-25D20K</li> </ul> 	

Legend : ● Blue Retail Package ● Yellow Retail Package ● White Box Only





# Accessories










<ul style="list-style-type: none"> <li>● MQC-2B</li> </ul> 	<p><b>2 WAY QUICK COUPLER</b> Air Inlet/Outlet: 1/4" NPT Max. Work Pressure: 200 PSI</p>	<ul style="list-style-type: none"> <li>● MSO-1/4M</li> </ul> 	<p><b>MILTON TYPE 1/4" MALE COUPLER</b> Fitting : 1/4"-NPT Working Pressure : 145 psi</p>
<ul style="list-style-type: none"> <li>● MQC-3B</li> </ul> 	<p><b>3 WAY QUICK COUPLER</b> Air Inlet/Outlet: 1/4" NPT Max. Work Pressure: 200 PSI</p>	<ul style="list-style-type: none"> <li>● MPS-1/4M</li> </ul> 	<p><b>MILTON TYPE 1/4" MALE SWIVEL PLUG</b> Fitting : 1/4" NPT Working Pressure : 145 psi</p>
<ul style="list-style-type: none"> <li>● GMS-1/4F</li> <li>● GMS-3/8F</li> <li>● GMS-1/2F</li> </ul> 	<p><b>LARGE FLOW QUICK COUPLER</b> 1/4" NPT FEMALE</p> <p><b>LARGE FLOW QUICK COUPLER</b> 3/8" NPT MALE</p> <p><b>LARGE FLOW QUICK COUPLER</b> 1/2" NPT MALE</p>	<ul style="list-style-type: none"> <li>● MSOS-1/4F</li> </ul> 	<p><b>MILTON TYPE 1/4" FEMALE SWIVEL COUPLER</b> Fitting : 1/4" NPT Working Pressure : 145 psi</p>
<ul style="list-style-type: none"> <li>● GMP-1/4F</li> <li>● GMP-3/8F</li> <li>● GMP-1/2F</li> </ul> 	<p><b>LARGE FLOW QUICK PLUG</b> 1/4" NPT FEMALE</p> <p><b>LARGE FLOW QUICK PLUG</b> 3/8" NPT FEMALE</p> <p><b>LARGE FLOW QUICK PLUG</b> 1/2" NPT FEMALE</p>	<ul style="list-style-type: none"> <li>● MS-1/4F</li> <li>● MS-3/8F</li> </ul> 	<p><b>QUICK COUPLER</b> 1/4" NPT FEMALE</p> <p><b>QUICK COUPLER</b> 3/8" NPT FEMALE</p>
<ul style="list-style-type: none"> <li>● GMP-1/4M</li> <li>● GMP-3/8M</li> <li>● GMP-1/2M</li> </ul> 	<p><b>LARGE FLOW QUICK PLUG</b> 1/4" NPT MALE</p> <p><b>LARGE FLOW QUICK PLUG</b> 3/8" NPT MALE</p> <p><b>LARGE FLOW QUICK PLUG</b> 1/2" NPT MALE</p>	<ul style="list-style-type: none"> <li>● MS-3/8M</li> </ul> 	<p><b>QUICK COUPLER</b> 3/8" NPT MALE</p> <p><b>QUICK PLUG</b> 1/4" NPT FEMALE</p> <p><b>QUICK PLUG</b> 3/8" NPT FEMALE</p>
<ul style="list-style-type: none"> <li>● MP-1/4M</li> <li>● MP-3/8M</li> </ul> 	<p><b>QUICK PLUG</b> 1/4" NPT MALE</p> <p><b>QUICK PLUG</b> 3/8" NPT MALE</p>	<ul style="list-style-type: none"> <li>● MP-1/4M</li> <li>● MP-3/8M</li> </ul> 	<p><b>QUICK PLUG</b> 1/4" NPT MALE</p> <p><b>QUICK PLUG</b> 3/8" NPT MALE</p>

## Air Filter / Filter Element

<ul style="list-style-type: none"> <li>● 2142002</li> <li>● 2142013</li> </ul> 	<p><b>AIR FILTER ELEMENT</b> 2142002 Diameter: 3.743" Height: 2.383" Work along with 2140009</p> <p>2142013 Diameter: 2.561" Height: 1.871" Work along with 2140019A/2140020A</p>	<ul style="list-style-type: none"> <li>● 2140011</li> </ul> 	<p><b>1" AIR FILTER</b> Work along with 1809</p>
<ul style="list-style-type: none"> <li>● 2140009</li> </ul> 	<p><b>CANISTER AIR FILTER</b> Size: 1" PT Metal housing with filter element Work along with 2142002</p>	<ul style="list-style-type: none"> <li>● 1809 aka 2142009</li> </ul> 	<p><b>FILTER ELEMENT</b> Work along with 2140011</p>
<ul style="list-style-type: none"> <li>● 2140019A</li> <li>● 2140020A</li> </ul> 	<p><b>1/2" PT CANISTER AIR FILTER</b> Work along with 2142013</p> <p><b>3/4" PT CANISTER AIR FILTER</b> Work along with 2142013</p>	<ul style="list-style-type: none"> <li>● 2140037</li> </ul> 	<p><b>1/2" AIR FILTER</b> Work along with 2142021</p>
		<ul style="list-style-type: none"> <li>● 2140021</li> </ul> 	<p><b>FILTER ELEMENT</b> Work along with 2140037</p>

# Accessories

Fitting			
<ul style="list-style-type: none"> <li>● 2N11-02N02N</li> <li>● 2N11-03N03N</li> <li>● 2N11-04N04N</li> </ul> 	1/4" NPT FEMALE CONNECTOR	<ul style="list-style-type: none"> <li>● 2N02-02N03NC</li> <li>● 2N02-02N04NC</li> <li>● 2N02-03N04NC</li> </ul> 	1/4" NPT Male x 3/8" NPT Female ADAPTER
	3/8" NPT FEMALE CONNECTOR		1/4" NPT Male x 1/2" NPT Female ADAPTER
	1/2" NPT FEMALE CONNECTOR		3/8" NPT Male x 1/2" NPT Female ADAPTER
<ul style="list-style-type: none"> <li>● 2N01-02N02N030C</li> <li>● 2N01-03N03N030C</li> <li>● 2N01-04N04N030C</li> </ul> 	1/4" NPT MALE CONNECTOR	<ul style="list-style-type: none"> <li>● 2N02-03N02NC</li> <li>● 2N02-04N02NC</li> <li>● 2N02-04N03NC</li> </ul> 	3/8" NPT Male x 1/4" NPT Female ADAPTER
	3/8" NPT MALE CONNECTOR		1/2" NPT Male x 1/4" NPT Female ADAPTER
	1/2" NPT MALE CONNECTOR		1/2" NPT Male x 3/8" NPT Female ADAPTER








Hose			
<ul style="list-style-type: none"> <li>● AA-1012</li> <li>● AA-1014</li> </ul> 	1/4" NYLON RECOIL AIR HOSE Tubing ID : 1/4" Working Pressure : 200 psi Length : 25' Fitting : 1/4" NPT	<ul style="list-style-type: none"> <li>● AA-1007</li> </ul> 	1/2"X50' RUBBER AIR HOSE Tubing ID : 1/2" Working Pressure : 210 psi Length : 50' Fitting : 1/2" NPT
	3/8" NYLON RECOIL AIR HOSE Tubing ID : 3/8" Working Pressure : 200 psi Length : 25' Fitting : 1/4" NPT		<ul style="list-style-type: none"> <li>● AA-1061</li> <li>● AA-1062</li> <li>● AA-1064</li> </ul>
<ul style="list-style-type: none"> <li>● AA1015</li> </ul> 	3/8" NYLON RECOIL AIR HOSE Tubing ID : 3/8" Working Pressure : 200 psi Length : 50' Fitting : 1/4" NPT		Tubing ID : 1/4" Working Pressure : 210 psi Length : 50' Fitting : 1/4" NPT
<ul style="list-style-type: none"> <li>● AA-1301</li> </ul> 	5/16"x2.5' SWIVEL WHIP AIR HOSE Tubing ID : 5/16" Working Pressure : 210 psi Length : 2.5' Fitting : 1/4" NPT		<ul style="list-style-type: none"> <li>● AA-1066</li> <li>● AA-1067</li> <li>● AA-1069</li> </ul>
<ul style="list-style-type: none"> <li>● AA-1302</li> </ul> 	5/16"x5' SWIVEL WHIP AIR HOSE Tubing ID : 5/16" Working Pressure : 210 psi Length : 5' Fitting : 1/4"-NPT		Tubing ID : 3/8" Working Pressure : 210 psi Length : 25' Fitting : 1/4" NPT
<ul style="list-style-type: none"> <li>● AA-2112</li> </ul> 	PU BRAID HOSE REEL Tubing ID : 8.5 mm Working Pressure : 185 psi Length : 100' Fitting : 1/4"-NPT		

Lubricant		Combo Kit	
<ul style="list-style-type: none"> <li>● 074-SAE30-1QT</li> </ul> 	REGULAR COMPRESSOR OIL 1QT	<ul style="list-style-type: none"> <li>● AA-20K</li> </ul> 	<b>20 PIECES PNEUMATIC ACCESSORY KIT</b> 1 Pc Blow Gun 1 Pc Female Connectors 1 Pc Adapter 1 Pc Tapered Brass Nozzle 1 Pc Safety Nozzle 2 Pcs Inflator Needle 2 Pcs male Connectors 1 Pc Dual Tire Chuck 1 Pc Tire Gauge 2 Pcs Female Quick Coupler 1/4" 4 Pcs male Connectors 1/4" 2 Pcs Female Connectors 1/4" 1 Pc Seal Tape
<ul style="list-style-type: none"> <li>● 074-SYN30-1QT</li> </ul> 	SYNTHETIC COMPRESSOR OIL 1QT		

Legend : ● Blue Retail Package ● Yellow Retail Package ● White Box Only

# Accessories

Premium Package	
<p>● 059-404010</p> 	<p><b>VIBRATION DAMPER</b> w/ 3/8" HOLE Dimension: 4" x 4" x 1"</p>
<p>● 3353103</p> 	<p><b>LOW OIL SWITCH w/o Adapter</b></p>
<p>● 2405302</p> 	<p><b>ELECTRIC AUTO WATER DRAIN VALVE w/ TIMER</b> Max PSI: 230 Adjustable Drain Cycle: 0.5-45 min Adjustable Purge time: 0.5-10 sec Drain Rate @ 100 PSI: 8.8 Pilot Pressure: 5-230 PSI Voltage: 115</p>
<p>● 022-ADV-001</p> 	<p><b>AIR ACTUATE AUTO WATER DRAIN VALVE</b> Max PSI: 300 Bowl Size: 4 oz.</p>
<p>● 2813056</p> 	<p><b>AFTERCOOLER (B.G MOUNT)</b> w/ 1" NPT PIPE THREAD HOLES*2</p>
<p>● 016-AWS050-001</p> 	<p><b>AIR WATER SEPERATOR 50CFM</b> Standard: Float Drain Automatic Water Drain: Optional Water Seperation: Up to 1QT / per min</p>

Magnetic Motor Starter	
<p>● MS-50-1S</p> 	<p>Rating: 5hp, 208-230volt, single phase Steel housing Built-in overload adjustable control from 22-34 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-75-1S</p> 	<p>Rating: 7.5hp, 208-230volt, single phase Steel housing Built-in overload adjustable control from 32-48 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-100-1S</p> 	<p>Rating: 10hp, 208-230volt, single phase Steel housing Built-in overload adjustable control from 43-65 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-50-3S</p> 	<p>Rating: 5hp, 208-230volt, three phase Steel housing Built-in overload adjustable control from 12-18 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-75-3S</p> 	<p>Rating: 7.5hp, 208-230volt, three phase Steel housing Built-in overload adjustable control from 17-24 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-100-3S</p> 	<p>Rating: 10hp, 208-230volt, three phase Steel housing Built-in overload adjustable control from 28-38 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>
<p>● MS-150-3S</p> 	<p>Rating: 15hp, 208-230volt, three phase Steel housing Built-in overload adjustable control from 43-65 amps, Manual reset button that can be switched to auto reset UL, CSA, CE certified</p>

Hand Carry Tank / Air Keg	
<p>● AST-05A</p> 	<p><b>ALUMINUM HAND CARRY TANK</b> Max. Working pressure: 125 PSI The unit is shipped with: 1pc 0-160 psi pressure gauge 1pc Brass manifold with shutoff and safety valves 1pc Drain Valve Weight:13 Lbs</p>
<p>● AST-08U</p> 	<p><b>ASME STEEL AIR KEG</b> Max. Working pressure: 175 PSI The unit is shipped with : 4pcs 1/4" female quick couplers with 3/8" NPT 1pc ASME safety valve 1pc 0-200 psi pressure gauge 1pc Automatic shut-off inlet valve w/1/4" male quick coupler 1pc Drain valve 1pc Plug (located on expansion port) Weight: 30 Lbs</p>

<p>● 2416101</p> 	<p><b>CARRY TANK MANIFOLD</b> Size: 1/2" Relief Pressure: 150 PSI</p>
<p>● 2416104</p> 	<p><b>CARRY TANK MANIFOLD</b> Size: 1/2" Relief Pressure: 125 PSI *Work along with AST-05A 5 Gal Aluminum tank</p>
<p>● 2414048</p> 	<p><b>AUTOMATIC SHUT-OFF INLET VALVE</b> 90 ° ELBOW 3/8" NPT Male / Male Thread</p>





# Flow Chart

## Flow Conversion Chart

LPM l/min	CMH m <sup>3</sup> /hr	CFM ft <sup>3</sup> /min	GPM(U.K.) Gal/min	GPM(U.S.A.) Gal/min
1	0.06	0.03532	0.220	0.2642
16.667	1	0.5887	3.667	4.404
28.3153	1.699	1	6.229	7.481
4.5455	0.2727	0.1605	1	1.2011
3.785	0.2271	0.1337	0.8325	1

## Conversion Factors

<b>1. TORQUE</b>	1 ft-lb = 1.356 nm = 0.138 kg-m 1 nm = 0.738ft-lb = 0.102 kg-m
<b>2. LENGTH</b>	1 m = 39.371 in = 3.281 ft 1 ft = 12 in = 0.305 m 1 in = 25.4mm
<b>3. WEIGHT</b>	1 lb = 0.454 kg = 16 oz 1 kg = 2.205 lb = 35.274 oz 1 oz = 28.35 g = 0.063 lb
<b>4. POWER</b>	1 kw = 1.341 hp 1 hp = 0.746 kw 1 CV = 1 PS = 0.735 kw
<b>5. CONCENTRATION</b>	1 mg/m <sup>3</sup> = 0.001 mg/L = 0.001 ppm 1 ppm = 1000 mg/m <sup>3</sup> = 1 mg/L

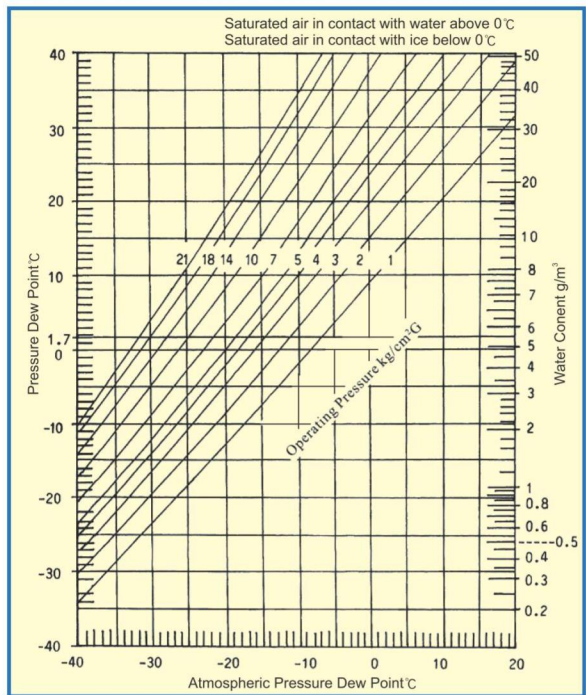
## Vacuum Conversion Chart

mbar	Pa (N/m <sup>2</sup> )	Torr (mmHg)	mmAq (H <sub>2</sub> O)	atm
1	100	0.75	10.2	9.87x10 <sup>-4</sup>
0.01	1	7.5x10 <sup>-3</sup>	0.102	9.87x10 <sup>-6</sup>
1.33	133	1	13.6	1.32x10 <sup>-3</sup>
9.81x10 <sup>-2</sup>	9.81	7.36x10 <sup>-2</sup>	1	9.68x10 <sup>-5</sup>
1013	101325	760	10332	1

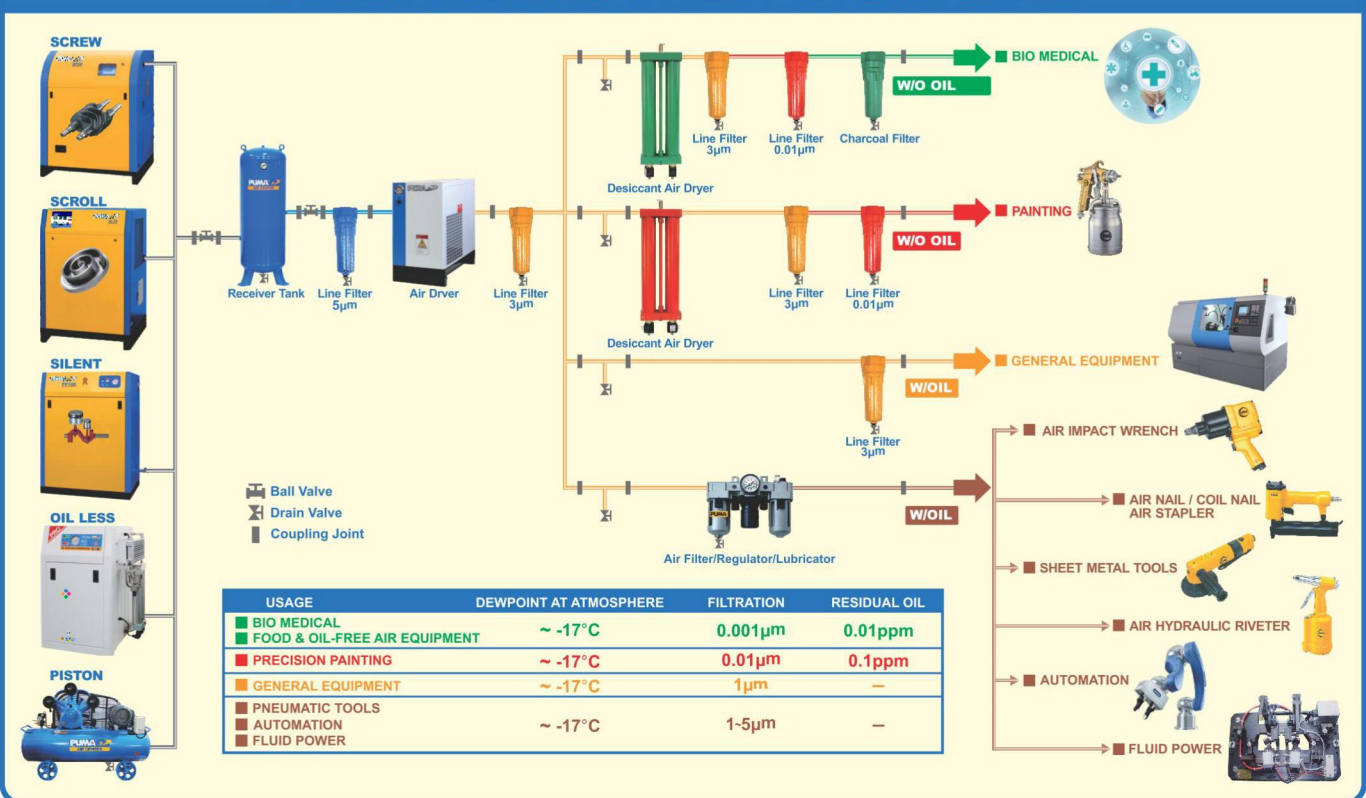
## Pressure Conversion Chart

Bar	kPa	kg/cm <sup>2</sup>	MPa	Psi
1	100	1.02	0.1	14.5
0.981	98.1	1	0.098	14.22
10	1000	10.197	1	145.036

## Pressure-dew Point Conversion Table



# PUMA PRODUCTS UTILITY & FLOW CHART

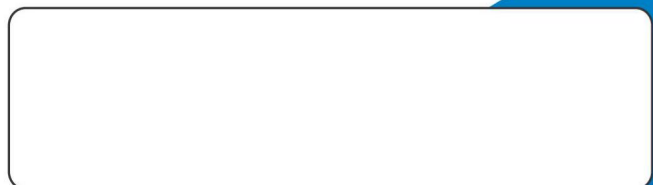




**PUMA** products , reliable quality

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PNC-1902  
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