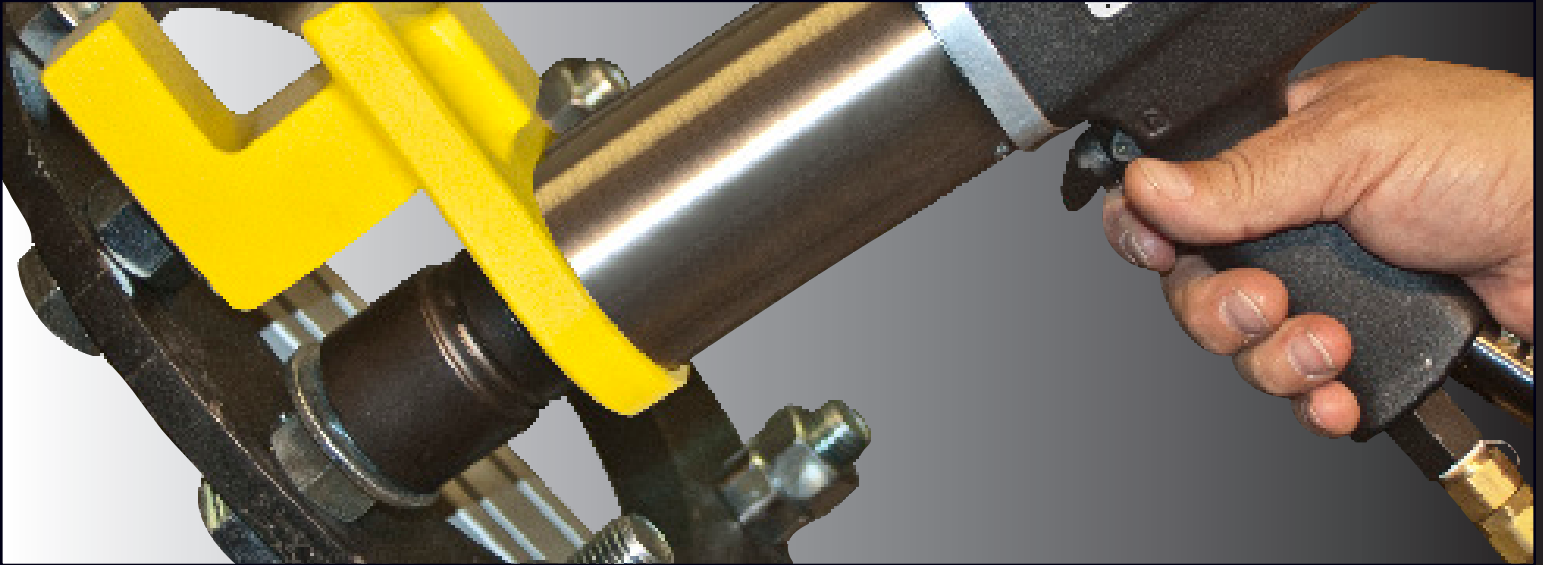




## HIGH TORQUE PNEUMATIC TOOLS



*Celebrating 15 Years*

THE DRIVING FORCE IN CRITICAL BOLTING



**HIGH CAPA**  
The Most Advanced Coll

Since 1970, **AIMCO** has been providing Global Assembly and Critical Bolting Tooling solutions for the Automotive, Electronics, Aerospace, Energy Services, and General Assembly Industries.

Headquartered in East Portland, **AIMCO** has become a leading importer and exporter of industrial power tools. **AIMCO** currently exports to over 33 countries including Mexico, Brazil, Germany, France, Korea, China, the UK, India, Denmark, and most recently in Russia.

In 1999, AIMCO began manufacturing its **AcraDyne®** line in Portland, Oregon, that produces a complete line of D/C Controlled Tools and custom built multiple spindle systems. Our service, repair, and calibration labs provide fast turnaround on repairs; additionally, all electronic torque equipment meets NIST standards.

If **Productivity, Ergonomics, Reliability**, and **Quality** are driving forces in your business, then **AcraDyne®** is your value-added brand. **AcraDyne®** provides cost effective solutions for our customers by resolving challenges related to tightening and critical bolting strategies, tool selection and installation, joint failure analysis, audit trails, and methods. This, combined with operator training, maximizes the production efficiencies our tools provide.

**AcraDyne®** produces a complete line of D/C Controlled Tools as well as custom built multiple spindle systems ranging from approximately .5 to 8,100 Nm. **All Made in the USA.**

With our strategically located sales force, coupled with our worldwide distribution, **AcraDyne®** is the right choice for you.



# **HIGH TORQUE PNEUMATIC BOLTING TOOLS**

*Unmatched accuracy through precision engineering and design*

## FEATURES AND BENEFITS

Our High Torque Pneumatic Bolting Tools offer a reliable and dependable solution for the installation and removal of heavy-duty fasteners in a variety of industries that require high torque capability, accuracy, power, and safety.

- Modular design allows for ease of maintenance.
- Motors and gearing are interchangeable.
- Durable and reliable gearbox.
- Proven air motor.
- Faster Free Speed.
- On-Hand Reverse.



AAP1B66600A



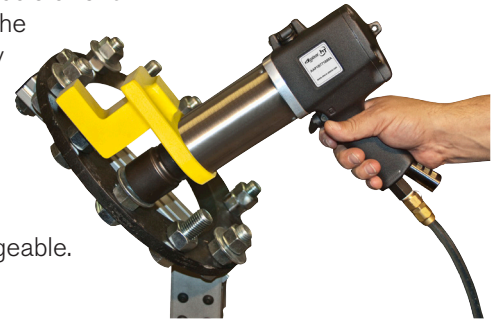
AAP1B76950A



AAP1B771800A



AAP1B885100A1



AFRL-4HTA



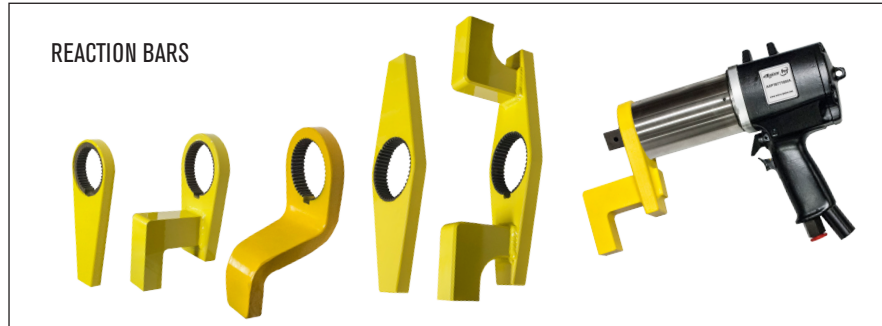
Model	Torque (Nm)	Torque (Ft-lb)	Speed (rpm)	Weight (lb)	Square Dr. (in)	Air Consumption (CFM)
AAP1B66400A	400	300	70	9.75	3/4	22.9
AAP1B66600A	600	450	50	9.75	3/4	22.9
AAP1B66850A	850	625	36	9.75	1	22.9
AAP1B76950A	950	700	37	10.4	1	26.3
AAP1B771350A	1350	1000	22	10.4	1	26.3
AAP1B771800A	1800	1325	15	14.9	1	26.3
AAP1B772950A	2950	2175	9	14.9	1	26.3
AAP1B885100A1	5100	3775	7.5	23	1	31.5
AAP1B885100A	5100	3775	7.5	23	1-1/2	31.5



# ACCESSORIES

## REACTION BARS

Each tool includes a standard spline-attachment reaction device. Custom reaction devices are also available; contact your AIMCO sales representative for more details, 1-800-852-1368.



## CABLES

Newly designed cable and connectors for excellent ergonomics, maximum-quality signal transfer, and full CE compliance.

MODEL	LENGTH
24330	3 meter
25350	5 meter
24320	10 meter

MODEL	DESCRIPTION
26810	Single Ended, Flat, 6000 Series
26815	Single Ended, 2.375" Offset, 6000 Series
26830	Double Ended, Flat, 6000 Series
26835	Double Ended, 2.375" Offset, 6000 Series
26885	Single Ended, 4.00" Offset, 6000 Series
26800	Single Ended, Flat, 7000 Series
27200	Single Ended, 3.10" Offset, 7000 Series
26820	Double Ended, Flat, 7000 Series
26825	Double Ended, 3.10" Offset, 7000 Series
26890	Single Ended, 4.00" Offset, 7000 Series
25277	Single Ended, flat, 8000 Series
25274	Single Ended, 3.35" offset, 8000 Series
25275	Single Ended, 4.00" offset, 8000 Series
25278	Double Ended, flat, 8000 Series
25276	Double Ended, 3.35" offset, 8000 Series
27255	Single Ended, flat, 9000 Series
26840	Single Ended, 3.35" offset, 9000 Series

## BREAKAWAY CABLE CONNECTOR

Ensures disconnect of cable should stress in excess of 40 lbs occur.



## PROTECTIVE COVERS

Durable protective covers prevent marring and damage.

MODEL	DESCRIPTION
BJ10078	Protective Cover, 6000 Series
BJ10077	Protective Cover, 7000 Series
BJ10076	Protective Cover, 8000 Series



## CUSTOM ACCESSORIES

Custom accessories are also available for your application; contact your AIMCO sales representative for more details, 1-800-852-1368.



MODEL	DESCRIPTION
26477	Swivel Bail Assembly, 6000 Series
26478	Swivel "D" Handle Assembly, 6000 Series
26479	Stationary Bail Assembly, 6000 Series
26337	Rear Fixed Hoist Ring Sub-Assembly, 7000/8000 Series
26327	Swivel Bail Assembly, 7000 Series
26328	Swivel "D" Handle Assembly, 7000 Series
26336	Fixed Handle Sub-Assembly, 7000 Series
26337	Rear Fixed Hoist Ring Sub-Assembly, 7000 Series
25291	Swivel Handle, 8000 Series
25287	Swivel Bail Hoist, 8000 Series
25497	Rear fixed hoist ring, 8000 Series
25289	Fixed hoist (handle not included), 8000 Series
25280	Auxiliary Handle, 8000 Series
26822	Mounting Flange, 7000 Series
27045	Sliding Spindle, 7000 Series



## MANUAL PRESET TORQUE WRENCHES

### FEATURES AND BENEFITS

- Easy to use preset wrenches for fastener torque auditing.
- Torque ranges from 5–340 Nm.
- User friendly sleek ergonomic design.
- Tactile feedback on achievement of preset torque.
- Proprietary adjustment tool guards against unauthorized setting changes.
- Wide range of interchangeable heads provide user flexibility and convenience.
- $\pm 3\%$  accuracy when used in clockwise or counterclockwise directions.



Preset Wrenches*	Description
APTW-200	Auditor Preset Torque Wrench, 40-200Nm, Accepts 14mm Inserts
APTW-340	Auditor Preset Torque Wrench, 60-340Nm, Accepts 14mm Inserts

Ratchet and Square Drive Heads	Description
APTH-14RT50	Auditor Preset Torque Wrench Ratchet Insert, 1/2 SQ DR, 14mm
APTH-14RT34	Auditor Preset Torque Wrench Ratchet Insert, 3/4 SQ DR, 14mm
APTH-14SD50	Auditor Preset Torque Wrench SQ DR Insert, 1/2 SQ DR, 14mm

Open End Heads	Description
APTH-140E13	Auditor Preset Torque Wrench Insert 13mm OE, 14mm
APTH-140E14	Auditor Preset Torque Wrench Insert 14mm OE, 14mm
APTH-140E15	Auditor Preset Torque Wrench Insert 15mm OE, 14mm
APTH-140E16	Auditor Preset Torque Wrench Insert 16mm OE, 14mm
APTH-140E17	Auditor Preset Torque Wrench Insert 17mm OE, 14mm
APTH-140E18	Auditor Preset Torque Wrench Insert 18mm OE, 14mm
APTH-140E19	Auditor Preset Torque Wrench Insert 19mm OE, 14mm
APTH-140E21	Auditor Preset Torque Wrench Insert 21mm OE, 14mm
APTH-140E22	Auditor Preset Torque Wrench Insert 22mm OE, 14mm
APTH-140E24	Auditor Preset Torque Wrench Insert 24mm OE, 14mm
APTH-140E27	Auditor Preset Torque Wrench Insert 27mm OE, 14mm
APTH-140E30	Auditor Preset Torque Wrench Insert 30mm OE, 14mm
APTH-140E32	Auditor Preset Torque Wrench Insert 32mm OE, 14mm
APTH-140E34	Auditor Preset Torque Wrench Insert 34mm OE, 14mm
APTH-140E36	Auditor Preset Torque Wrench Insert 36mm OE, 14mm
APTH-140E38	Auditor Preset Torque Wrench Insert 38mm OE, 14mm
APTH-140E41	Auditor Preset Torque Wrench Insert 41mm OE, 14mm

# DynaTorque

## MANUAL TORQUE MULTIPLIERS



ATM-2800

### FEATURES AND BENEFITS

Our Manual Torque Multipliers offer the perfect solution for higher torque bolting applications.

- Compact design improves access to tight spots
- Torque Accuracy +/- 5%
- True, repeatable multiplication ratios
- Extensive range of reaction bars and accessories for a variety of applications
- Easy to replace output drive with overload protection



ATM-800



ATM-1800



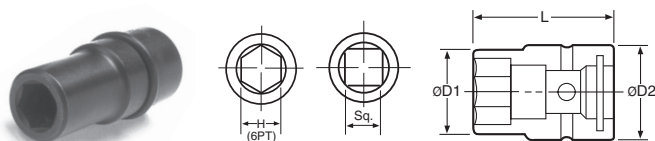
ATM-3800



MODEL	INPUT	OUTPUT	RATIO	MAX TORQUE OUTPUT	
	in	in		ft-lb	Nm
ATM-800	1/2	3/4	1:3.5	590	800
ATM-1800	3/4	1	1:3.6	1238	1800
ATM-2800	1/2	1	1:13	2066	2800
ATM-3800	3/4	1	1:13	2804	3800
ATM-5000	3/4	1.5	1:17	3690	5000
ATM-8000	3/4	1.5	1:49	5904	8000
ATM-12000	3/4	1.5	1:58	8856	12000
ATM-16000	3/4	2.5	1:75	11808	16000

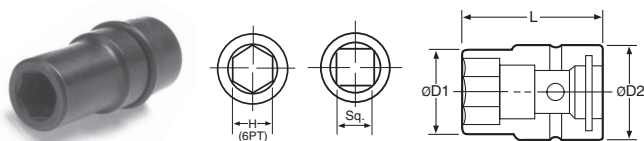
# SOCKETS

## IMPACT SOCKETS

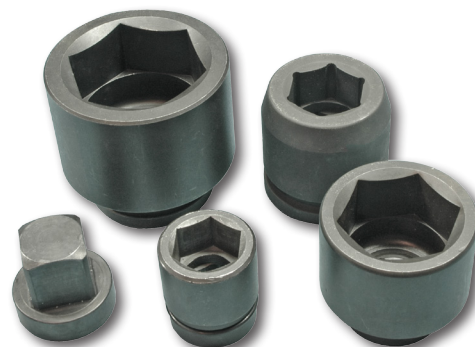


	Part No	Hex	D1 mm	D1 in	D2 mm	D2 in	L mm	L in
SAE	<b>3/4" Square Drive</b>							
	A611/16	11/16"	30	1.18	44	1.73	50	1.97
	A63/4	3/4"	32	1.26	44	1.73	50	1.97
METRIC	A613/16	13/16"	35	1.38	44	1.73	50	1.97
	A614	14mm	24	0.95	38	1.50	55	2.17
	A616	16mm	27	1.06	44	1.73	50	1.97
SAE	<b>3/4" Square Drive, Deep</b>							
	A611/16-4	11/16"	31	1.22	44	1.73	100	3.94
	A63/4-4	3/4"	33	1.30	44	1.73	100	3.94
METRIC	A613/16-4	13/16"	36	1.42	44	1.73	100	3.94
	A617-4	17mm	31	1.22	44	1.73	100	3.94
	A618-4	18mm	32	1.26	44	1.73	100	3.94
SAE	<b>1" Square Drive</b>							
	A87/8	7/8"	37	1.46	54	2.13	59	2.32
	A815/16	15/16"	38	1.50	54	2.13	59	2.32
METRIC	A81	1"	41	1.61	54	2.13	59	2.32
	A817	17mm	31	1.22	50	1.97	63	2.48
	A819	19mm	33	1.30	50	1.97	63	2.48
	A821	21mm	37	1.46	50	1.97	63	2.48

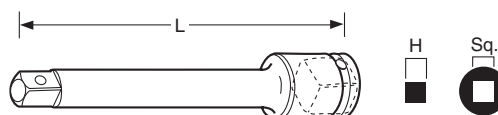
## ERGO-DRIVE® SOCKETS



	Part No.	HEX	D1 mm	D1 in	D2 mm	D2 in	L mm	L in
SAE	<b>3/4" Square Drive</b>							
	A61-1/8EDS	1-1/8"	44	1.73	44	1.73	64	2.52
	A61-1/4EDS	1-1/4"	49	1.91	44	1.73	66	2.60
MET.	A61-1/2EDS	1-1/2"	57	2.24	44	1.73	68	2.68
	A618EDS	18mm	31	1.22	44	1.73	60	2.36
	A624EDS	24mm	40	1.52	40	1.73	65	2.36
S	<b>1" Square Drive</b>							
	A815/16EDS	15/16"	38	1.50	54	2.13	69	2.72
	A8100EDS	100mm	136	5.35	76	2.99	120	4.72

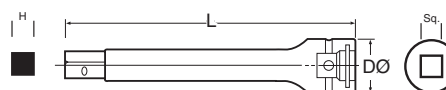


## EXTENSIONS



Part No.	Square Drive	Hex	L mm	L in	D mm	D in
A610E	3/4"	3/4"	100	3.94	44	1.73
A810E	1"	1"	102	4.02	54	2.13
A1220E	1-1/4"	1-1/4"	200	7.87	60	2.36
A1418E	1-1/2"	1-1/2"	178	7.01	84	3.31
A2426E	2-1/2"	2-1/2"	264	10.39	137	5.39

## ERGO-DRIVE® EXTENSIONS



Part No.	SQ. DRIVE	H	L mm	L in	D mm	D in
<b>3/4" Square Drive</b>						
A676EDE	3/4"	3/4"	76	2.99	40	1.58
A6100EDE	3/4"	3/4"	100	3.94	40	1.58
A6150EDE	3/4"	3/4"	150	5.91	40	1.58
A6200EDE	3/4"	3/4"	200	7.87	40	1.58
<b>1" Square Drive</b>						
A8150EDE	1"	1"	150	5.91	54	2.13
A8200EDE	1"	1"	200	7.87	54	2.13

A wide variety of sockets and extensions are available. Call 1-800-852-1368 for more information.



## ACCESSORIES



### HIGH CAPACITY TEST STANDS



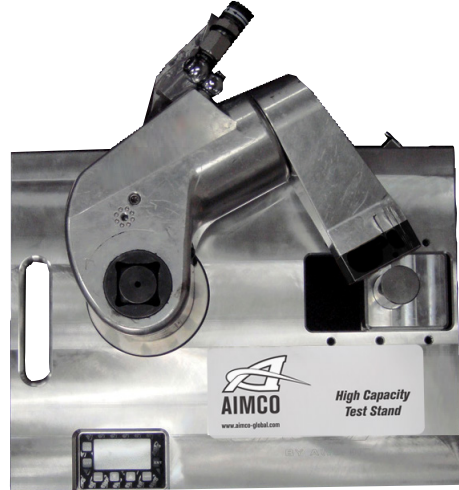
#### AHCTS TEST STANDS FOR ROTATING TOOLS

Designed for testing tools with continuous rotating output spindles. The test stand includes a rundown fixture, bushing for side load support, reaction post or reaction paddles, transducer, and torque analyzer display.

MODEL	DESCRIPTION
AHCTS-0500	3/4" Square Drive w/rundown fixture
AHCTS-1000	1" Square Drive w/rundown fixture
AHCTS-2500	1.5" Square Drive w/rundown fixture
AHCTS-5000	1.5" Square Drive w/rundown fixture
AHCTS-7500	1.5" Square Drive w/rundown fixture
AHCTS-5025*	1.5" Sq Dr dual station w/rundown fixture and reaction devices

\*This stand has two transducers embedded into the base, one for rotary tools and one for hydraulic tools. It comes with the rundown and reaction fixtures and one display.

\*\*Please refer to the Test Stand Configurator in the Appendix C for required ordering options.



#### AHCTS-K STANDS

The AHCTS-K stands are specifically designed for hydraulic wrench testing. Hydraulic wrenches have very low profiles but very high torque output therefore working height must be minimized to prevent side loading which could lead to errors in data or damage to tool or reaction devices.

Either of these stands can be ordered with various options such as extension legs, casters, embedded or attached torque analyzers with various rundown fixtures and reaction devices. Contact an AIMCO Customer Service Associate for additional information, 1-800-852-1368.



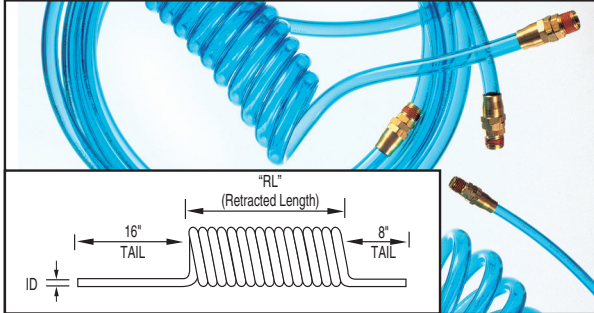
MODEL	DESCRIPTION
AHCTS-0.5K	3/4" Square Drive w/reaction device
AHCTS-001K	1" Square Drive w/reaction device
AHCTS-2.5K	1.5" Square Drive w/reaction device
AHCTS-005K	1.5" Square Drive w/reaction device
AHCTS-010K	1.5" Square Drive w/reaction device
AHCTS-025K	2" Square Drive w/reaction device



# ACCESSORIES

## AIR LINE

### AIMCO AIR HOSE



- Durable Polyurethane or Rubber hose.
- Excellent recoil memory.
- Maximum flexibility and lightweight.
- Polyurethane available in transparent hose color (opaque available).
- Custom colors available.
- High chemical resistance.



Complete System Pack including nested FRL available. Check with your AIMCO representative for details.

### SINGLE AIR HOSE ASSEMBLIES (COILED)

MODEL WORKING PRESSURE 100 PSI	DESCRIPTION (OD x ID x LENGTH)	RETRACTED LENGTH	NPT FITTINGS
ASH-500C-15MSZ	3/4" x 1/2" x 15'	13"	1/2"
ASH-500C-25MSZ	3/4" x 1/2" x 25'	23"	1/2"

### SINGLE AIR HOSE (COILED) CUSTOM LENGTHS

Custom length coil assemblies and special colors are available in minimum order quantities.

### STRAIGHT AIR HOSE (SOLD PER FOOT)

MODEL	DESCRIPTION
ASH-500Z	1/2" I.D.

- Assemblies include reusable swivel fitting.
- Burst pressure 428 PSI @ 68° F.
- Working temperature: -104° F to 175° F.
- Straight hose is available by the foot with, or without, hose fittings.
- Ask about full reel pricing. Call 1-800-852-1368.

## AIR HOSE FITTINGS



### PLUGS

MODEL	DESCRIPTION
28161	1/2" x 1/4" MPT
28162	1/2" x 3/8" MPT
28163	1/2" x 1/2" MPT
28164	1/2" x 1/2" FPT



### QUICK-CHANGE COUPLERS

MODEL	DESCRIPTION
27768	1/2" FPT
27769	1/2" MPT



### PROTECTIVE COUPLER

MODEL	DESCRIPTION
27771	Vinyl



### BRASS FITTINGS

MODEL	CAPACITY
500-RZ	1/2" NPT Rigid Fitting
500-SZ	1/2" NPT Swivel Fitting



# ACCESSORIES

## AIR PREPARATION UNITS

### FEATURES AND BENEFITS

- All models include L-mount bracket, gauge, and metal bowl shields.
- Polycarbonate filter and lubricator bowls (metal bowls standard on AFRL-8).
- 25-micron filter included on all models.
- Regulating range: 7 – 125 PSI
- Custom order upgrade items include metal bowl, 5 micron filter, semi-automatic filter drain, and reduced PSI range regulator. Contact an AIMCO sales representative at 800-852-1368 for more information.



AFRL-3  
AFRL-4  
AFRL-8



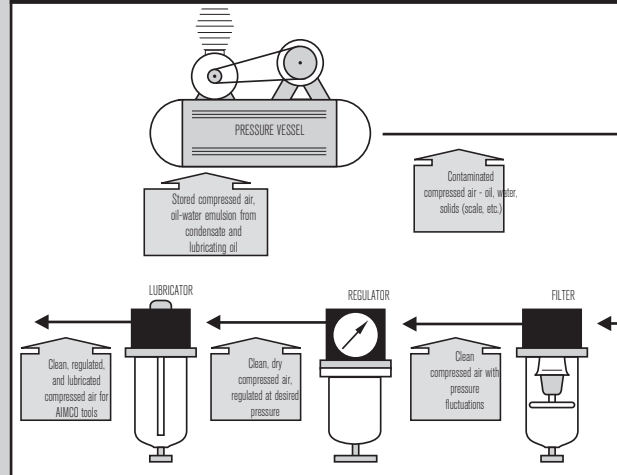
AFRL-3-C

MODEL	PORT	GAUGE PORT	FLOW RATE		BOWL SHIELD
AFRL-3	3/8"	1/4"	140	4,000	yes
AFRL-3-C	3/8"	1/4"	105	3,000	yes
AFRL-4	1/2"	1/4"	140	4,000	yes
AFRL-8	1"	1/4"	180	5,000	yes

DIM.	AFRL-3	AFRL-3-C	AFRL-4	AFRL-8
H	7.54 (191.5)	10.31 (261.9)	7.54 (191.5)	10.69 (271.5)
HB	1.57 (40.0)	1.57 (39.9)	1.57 (40.0)	1.97 (50.0)
HS	1.61 (40.9)	4.41 (112.0)	1.61 (40.9)	1.89 (48.0)
L	9.37 (238.0)	6.06 (153.9)	9.37 (238.0)	11.81 (300.0)
LS	3.31 (84.1)	3.03 (77.0)	3.31 (84.1)	4.13 (104.9)
TB	1.97 (50.0)	1.97 (50.0)	1.97 (50.0)	2.75 (69.9)
TG	2.58 (65.5)	2.58 (65.5)	2.58 (65.5)	2.97 (75.4)
TR	2.76 (70.1)	2.76 (70.1)	2.76 (70.1)	3.54 (89.9)

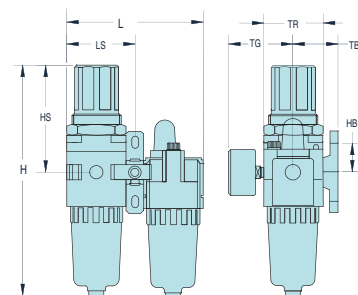
The supply of clean, dry air is essential to the operation of pneumatic powered tools. Use only clean filtered air for longer tool life. Provide proper airflow (CFM) and regulate air pressure (PSI) for optimum performance.

### AIR PREPARATION UNITS: BASIC FUNCTIONS

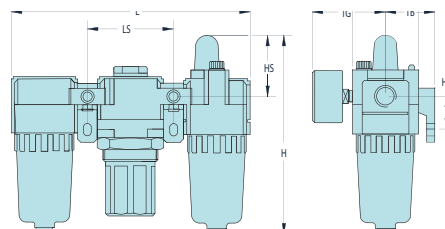


To determine unit size for application, you will need to know:

- Total air flow (CFM) required for application.
- Size of incoming air line.
- Size of air line required by tool.
- Air supply pressure (PSI).
- Allowable pressure drop.
- Does the application requires lubrication?
- Does the overall system have the required capacity?



AFRL-3-C



AFRL-3  
AFRL-4  
AFRL-8

## NOTES

[illegible]



## APPLICATIONS – PARTIAL REFERENCES



### PETROCHEM

- Reactor
- Cracker
- Heat-Exchanger
- Valves, Pumps
- Compressors
- Heaters



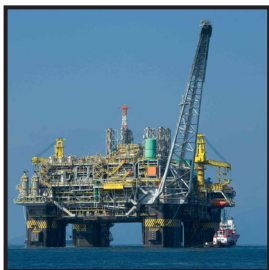
### COMPRESSOR STATION

- Tie Rod
- Engines
- Compressors
- Turbines
- Pipe-Line
- Well Heads



### STEEL MILL

- Sintering
- Blast Furnace
- Hot Strip
- Cold Roll
- Central Machine
- Pipe Shop



### OFFSHORE

- Diesel Engine
- Mud Pump
- Crane
- Vessel Thruster
- Stacks



### POWER

- Steam Turbine
- Gas Turbine
- Hydro Turbine
- Comb. Cycle
- Valves, Pumps, Reactors, Pipes



### MINING

- Shovel & Drill
- Ball Mill
- Long-Wall
- Hoist
- Car Carrier



PO Box 16460  
Portland, Oregon 97216  
Phone: 800-852-1368  
[www.aimco-global.com](http://www.aimco-global.com)

#### AIMCO CORPORATION DE MEXICO SA DE CV

Ave. Cristobal Colon 14529  
Chihuahua, Chihuahua. 31125  
Mexico  
Toll Free : (01-800) 801-1600  
Direct : (01-614) 380-1010  
Fax: (01-614) 380-1019

#### AIMCO CHINA

Room 607, No.3998 Hongxin Rd,  
Dibao Plaza, Minhang District,  
Shanghai, 201103  
China  
Phone: 0086-21-34319246  
Fax: 0086-21-34319245

#### AIMCO EUROPE

Avenida Río Gallo, 431  
19174 Galápagos - Guadalajara  
Spain  
Phone: +34 673 34 99 25