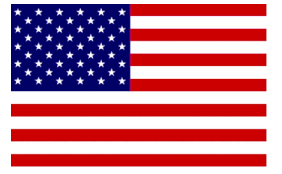
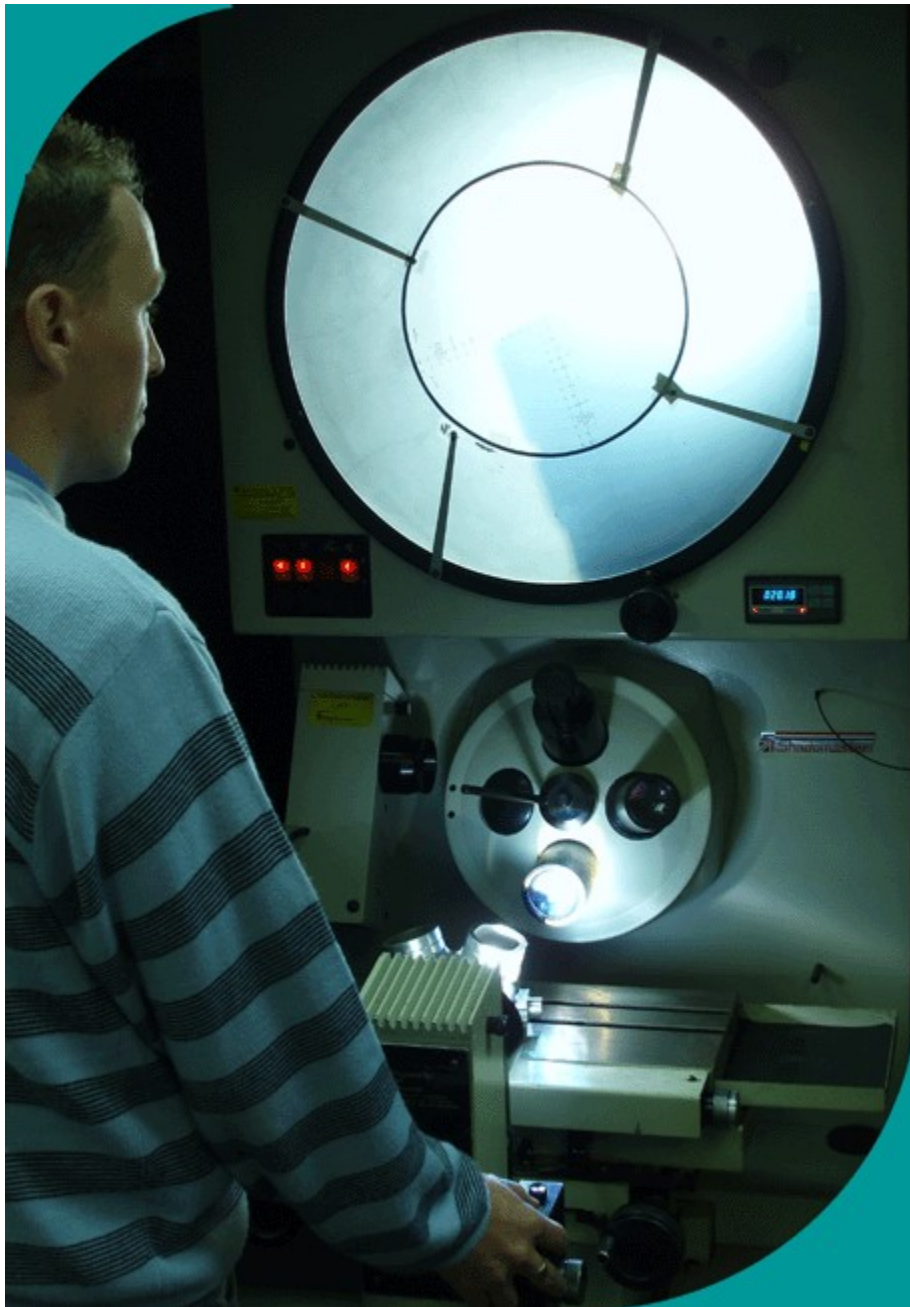
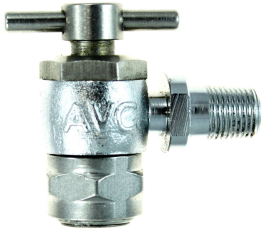


AVALCO



American Valve Manufacturing Company

**Manufacturers of Standard
and
Custom Charging Valves**



AVALCO WAS FOUNDED IN 1983

OUR MAILING ADDRESS IS:

2029 Verdugo Blvd. #710
Montrose, CA 91020

OUR PHONE NUMBER IS:

(310) 676-3057

OUR FAX NUMBER IS:

(310) 676-1398

OUR E-MAIL ADDRESS IS:

Avalco4@aol.com



OUR PLANT LOCATION IS IN
HAWTHORNE, CALIFORNIA
AND
IS FILLED WITH
EXPERIENCED KNOWLEDGEABLE PEOPLE
COMMITTED TO OUR QUALITY
OUR COMPETITIVE PRICING AND
THE BEST POSSIBLE CUSTOMER SERVICE

AVALCO

AMERICAN VALVE MANUFACTURING CORPORATION

We have been manufacturing HIGH PRESSURE Charging Valves to military and commercial standards since 1983. We also design and manufacture special charging valves to customer requirements or design. Unlike our competitors, Avalco's only product line is valves & related support parts for charging valve applications.

Avalco manufactures all our own valve components (except for the seals and o-rings). All metal parts are machined to exact drawing and military spec requirements. This control of both the manufacturing process and the assembly of the valves insure the reliability and integrity of our products and our reputation as a quality manufacturer.

Avalco supplies free of charge all material certifications, including chemical and physical test reports. At Avalco, we believe that service to our customers is the first step in being a quality world class supplier. We specialize in working with blanket type orders to meet "Just-in-Time" shipments to our customers.

WE'RE ALWAYS READY TO TAKE YOUR ORDER



Monday thru Friday: 8 a.m. to 4 p.m.

HIGH PRESSURE CHARGING VALVES

Bodies constructed of stainless steel for use in high pressure shock absorber struts, hydraulic pressure accumulators, surge cylinders, they all have a .305-32 threads on the inflating end and a 1/2" – 20 thread for connection to the container.



AV812 Charging Valve

For operating pressures up to 2,000 P.S.I

Conforms to AN-812-1.

This valve has a core that meets AN809

* Optional 4,000 P.S.I. core is available.



AV4361 Charging Valve

For operating pressures up to 3,000 P.S.I.

Conforms to AN-6287-1.

This valve has a core that meets AN809

* Optional 4,000 P.S.I. core is available



AV798 Charging Valve

For operating pressures
up to 5,000 P.S.I.

Conforms to MS-28889-2.

*Also Available in 316 Stainless Steel



AV10M Charging Valve

Avalco exclusive (Patented)

For operating pressure up to 10,000 P.S.I.

Conforms to M6164-12

Extra heavy duty construction,

Features our trademark CONICAL COPPER SEAT™

Designed to function 1,000 cycles minimum

*Also Available in 316 Stainless Steel

HIGH PRESSURE INFLATING CONNECTIONS

These high-pressure inflating connections attach securely to the .305-32 threads of high-pressure valves. It can be fitted to gauging and inflating devices by a variety of methods. Various angles permit easy attachment to hard to reach valves.

AV2755 High Pressure Inflating Connection

Fits .305-32 valve thread with a 3/8-24 thread to fit a 3/16" flare tube fitting, [connection meets MS33656E3](#). Has core depressor pin, and copper sealing washer. Maximum working pressure 5,000 PSI



AV556 High Pressure Inflating Connection

Fits .305-32 valve thread with a 1/8" NPT male connection. Has core depressor pin, and copper sealing washer. Maximum working pressure 5,000 PSI



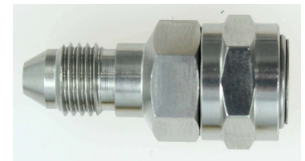
AV6116 High Pressure Inflating Connection

Fits .305-32 valve thread with a 1/8" NPT female connection. Air line connection is 70° to the axis of the valve. Has a fiber sealing washer. Maximum working pressure 3,000 PSI



AV5007 High Pressure Inflating Connection

Fits .305-32 valve thread with a 7/16-20 thread to fit a 1/4" flare tube fitting connection has swivel type construction to prevent kinking of tube or hose while tightening and has a copper sealing washer. Maximum working pressure 15,000 PSI



AV5008 High Pressure Inflating Connection

Fits .305-32 valve thread with a 1/8" NPT female connection has swivel type construction to prevent kinking of tube or hose while tightening and has a copper sealing washer. Maximums working pressure 15,000 PSI



TANK VALVES

Bodies constructed from 303 stainless steel. All have .305-32 threads on the inflating end

AV 300 Stainless Steel Tank Valve

Designed to be used with an internal valve core.

Conforms to SAE #3

3/8-24 threads

1/2" hex wrench flats



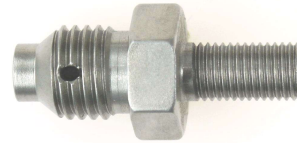
AV 500 Stainless Steel Tank Valve

Designed to be used with an internal valve core.

Conforms to SAE #5

1/2-20 threads

5/8" hex wrench flats



AV 700 Stainless Steel Tank Valve

Designed to be used with an internal valve core.

1/8 NPT threads

7/16" hex wrench flats



BLEEDER VALVES

Used for quick and easy way to evacuate air from the system

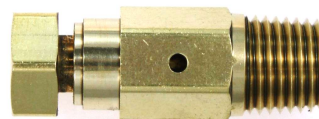
AV125B

Made from Brass. 7/16 wrench flats, 1/8 NPT threads. 1" overall



AV250B

Made from Brass. 9/16 wrench flats, 1/4 NPT threads. 1-5/8 overall length



Heavy Duty Valve Caps

AV 813SS

Our stainless steel version of the standard yellow MS Valve Cap is designed for heavy-duty use in Harsh environments, and is longer in length to protect more of the valve threads. Max working pressure 20,000 PSI



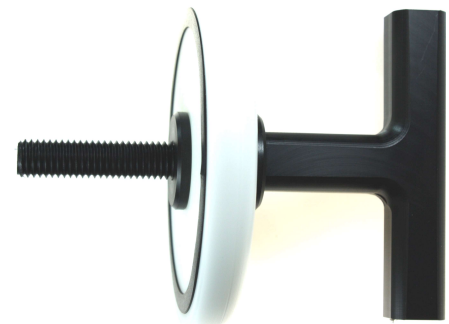
STANDARD BRASS VALVE CAPS

All of our valves come with a standard yellow MS 20813 valve cap which is a Q.P.L. item. We secure Q.P.L. items only from qualified Q.P.L. manufacturers and we can supply them in a variety of colors.



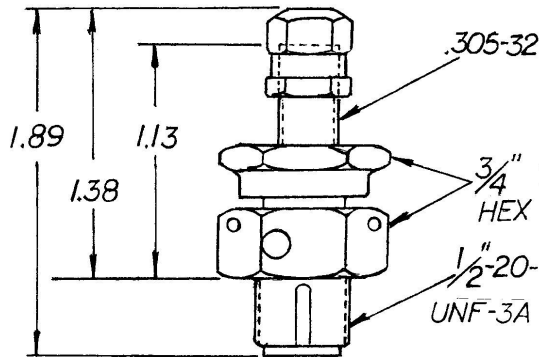
AGRICULTURAL VALVE CAPS

Available in 3", 3 1/2", and 4" sizes
Construction made from all non-metal
Rust proof polymer. Universal design
Fits both Fresno valves and Waterman valves.



MS28889-2

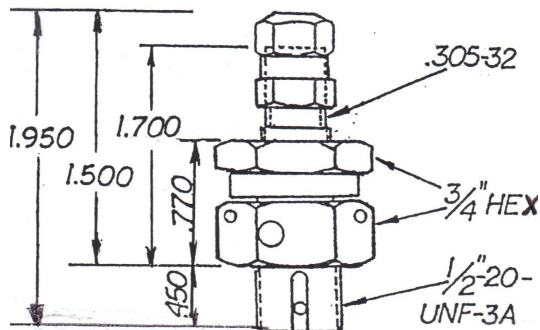
*Manufactured to Military specifications made from stainless steel.
They have 1/2 -20 class 3A threads for connection to the container.*



**Standard
MS28889-2
Working Pressure
5,000 psi**

AV10M

*Manufactured to Military specifications made from stainless steel.
They have 1/2 -20 class 3A threads for connection to the container.*

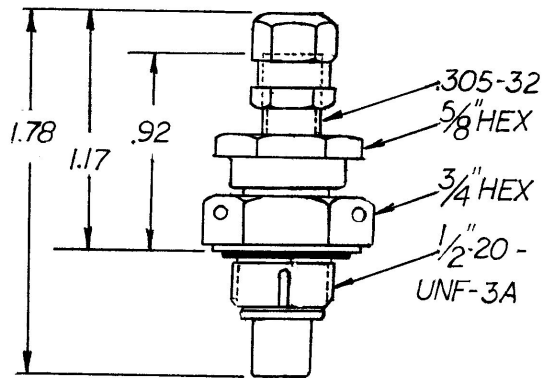


**Standard
Mil-V-6164-12
Working Pressure
10,000 psi**

*AV10M (patent pending) is the most heavy duty charging valve made. It features an extra heavy duty swivel nut with thicker walls and wider flats. The main body is heavier and has one extra thread. The internal stem is more rigid and most important it comes equipped with our trademarked **"Conical Copper Seat™"** which allows the valve to cycle over 1,000 opening and closing cycles, this **conical copper seat** gives this valve more reliable sealing and more sealing cycles, and make this valve the most economical charging valve made because its operational life is at least 10 times longer than that of any other valve we sell.*

AN6287-1

Manufactured to aeronautical specifications made from stainless steel. They have 1/2 - 20 class 3A threads for connection to the container. Assembly includes High pressure valve cap per MS 20813-1, and an internal valve core per AN809-1, available with an optional 4,000 psi valve core.

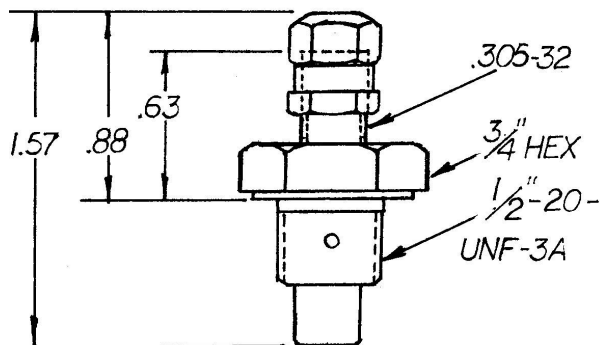


Standard
AN6287-1

Working Pressure
3,000 psi with an
optional core
4,000 psi

AN812

Manufactured to aeronautical specifications made from stainless steel. They have 1/2 - 20 class 3A threads for connection to the container. Assembly includes High pressure valve cap per MS 20813-1, and an internal valve core per AN809-1, available with an optional 4,000 psi valve core.



Standard
AN812

Working Pressure
2,500 psi with an
optional core
4,000 psi

AVALCO'S HIGH PRESSURE INFLATING CONNECTORS

| Avalco No. | Schrader No. | Fits Thread Size | Air Line Connection | Max. Pressure Rating | Configuration | Features |
|------------|--------------|------------------|---|----------------------|--|---|
| AV556 | 556 | .305-32 | 1/8" NPT Male | 5,000 | Air line connection 90° to axis of valve | Has core depressor pin Copper sealing washer |
| AV2755 | 2755 | .305-32 | 3/8"-24 thread for 3/16" flare tube fitting, meets MS-33656E4 | 5,000 | Air line connection 90° to axis of valve | Has core depressor pin, copper sealing washer. |
| AV6116 | 6116 | .305-32 | 1/8" NPT Female | 3,000 | Air line connection 70° to axis of valve | Hard fiber sealing washer |
| AV5007 | 5007 | .305-32 | 7/16"-20 thread for 1/4" flare tube fitting, meets MS-33656E4 | 15,000 | Straight short air line connection | Copper sealing washer. |
| AV5008 | 5008 | .305-32 | 1/8" NPT Male | 15,000 | Straight short air line connection | Copper sealing washer |

* It may be necessary to replace sealing washers after a number of uses to ensure a good seal at the valve mouth.

Avalco Exclusive:

All Stainless Steel Components: Only Avalco's inflating connectors are made with all stainless steel components. This makes our inflating connectors corrosion proof.

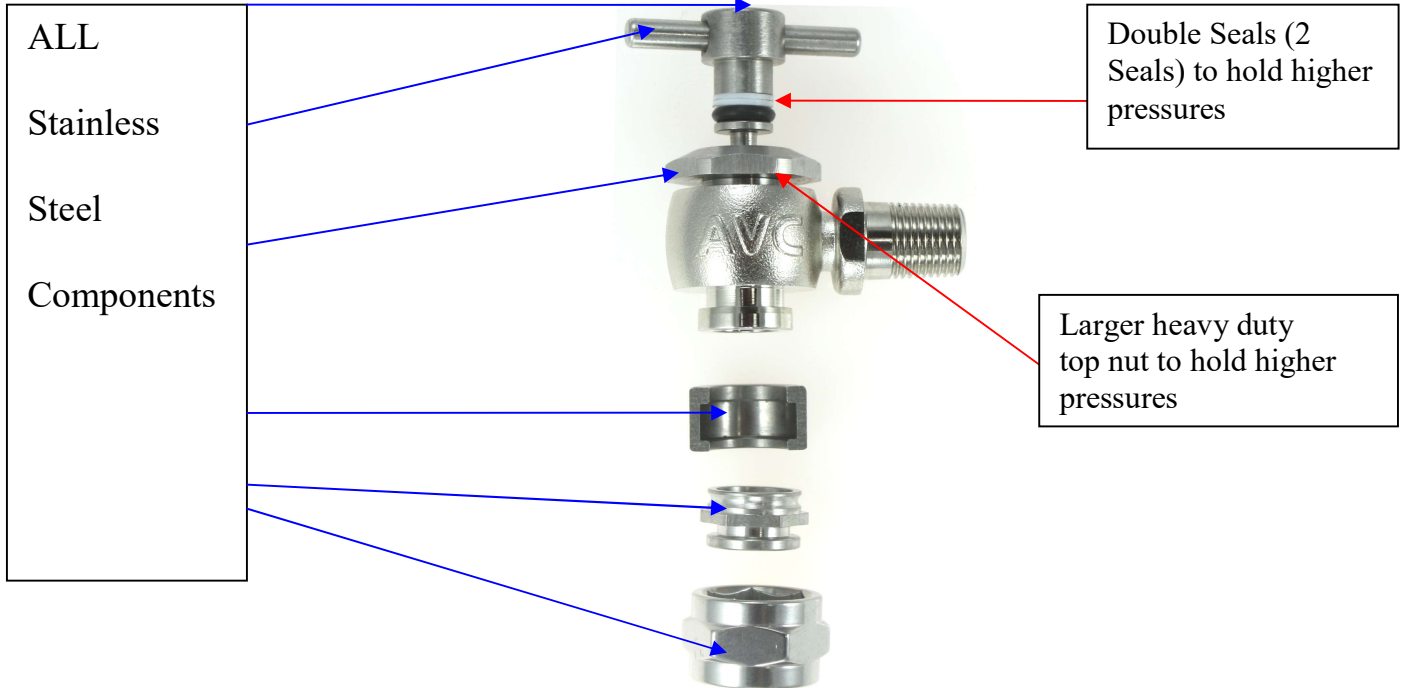
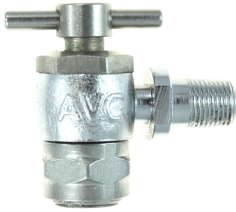
At the time of this printing, all of our competitors made their inflating connector components from plain steel; which of course corrodes (rusts).

Extra Heavy Duty construction and double stem seals allow our AV556 and AV2755 Air Chucks to be rated 5,000 P.S.I.

All stainless (except for the sealing washer and brass body) on AV556, AV2755 and AV6116

All stainless (except for the copper seat) on AV5007 and AV5008

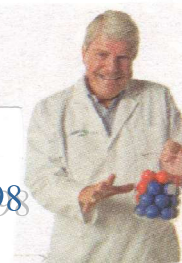
AVALCO AIR CHUCKS/INFLATING CONNECTORS WHY OURS ARE BETTER



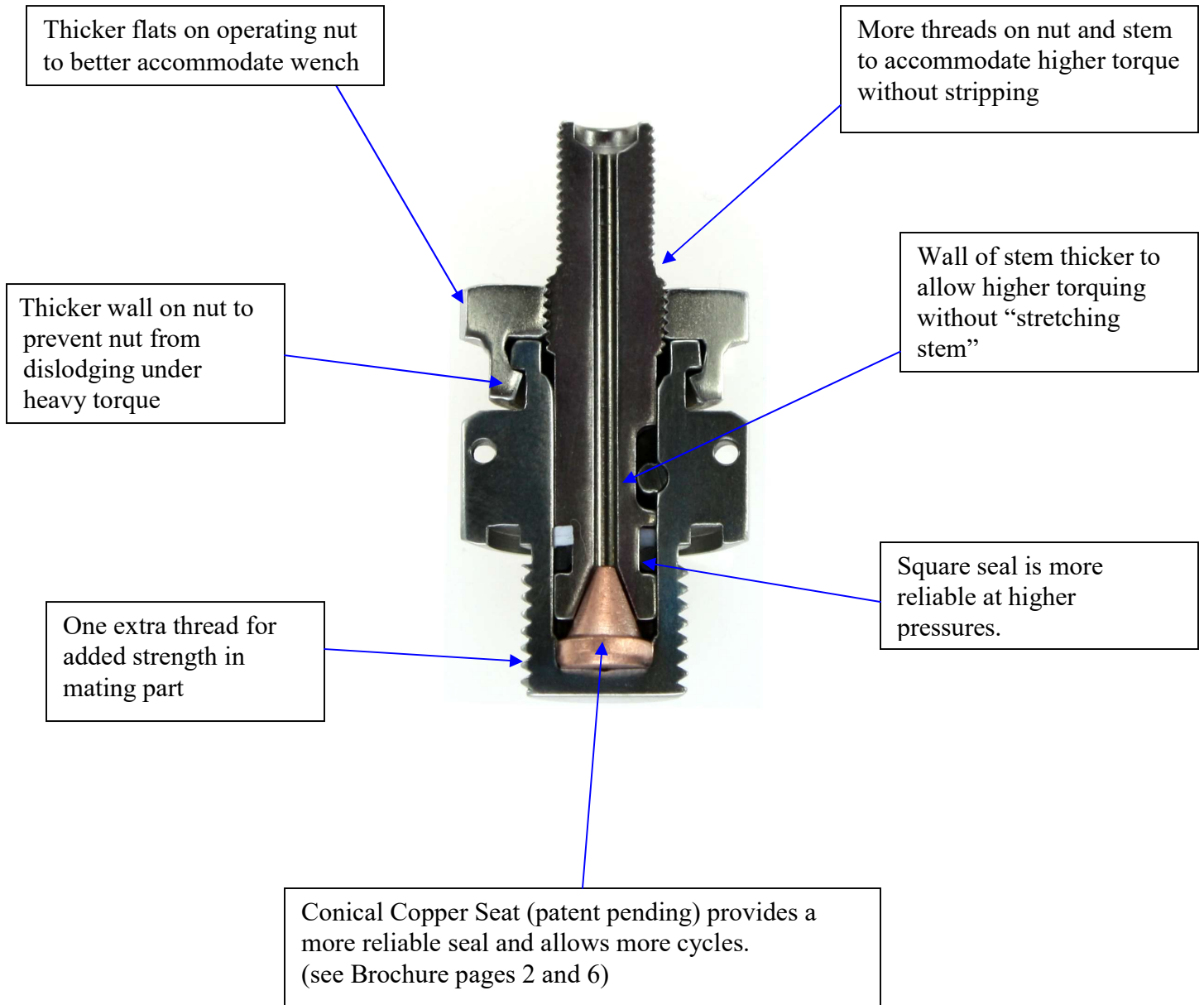
- ✓ Rated to 5,000 psi
- ✓ All stainless steel components (except main body and seals)
- ✓ Corrosion proof
- ✓ Heavy duty construction for longer service life.

Remember the kid who always won
the science fair?
HE WORKS FOR US.

Avalco, Inc
Tel. 310-676-3057 Fax. 310-676-1398
Avalco4@aol.com



AV10K
AVALCO's SUPER HEAVY DUTY
10,000 psi CHARGING VALVE



United States of America

United States Patent and Trademark Office

CONICAL COPPER SEAT

Reg. No. 3,707,216 AVALCO INCORPORATED
Registered Nov. 3, 2009 2029 VERDUGO BLVD.#710
MONTROSE, CA 91020

Int. Cl.: 6 FOR: MANUALLY OPERATED METAL VALVES CONTAINING COPPER, IN CLASS 6 (U
CLS. 2, 12, 13, 14, 23, 25 AND 50).

TRADEMARK FIRST USE 6-1-2008; IN COMMERCE 6-1-2008.
SUPPLEMENTAL REGISTER

SER. NO. 77-752,569, FILED P.R. 6-4-2009; AM. S.R. 9-4-2009.

MAYUR VAGHANI, EXAMINING ATTORNEY



David J. Kyros

Director of the United States Patent and Trademark Office

Quality Control



Valves are tested in submersion tanks at their operating pressure to ensure product reliability and trouble-free performance

Our Quality Control system meets the following Specification:

ISO-9001-2008 & MIL-I-45208 and we are approved by most major prime contractors.



Checking and double checking visually on optical comparators as well as bench checking using standard inspection methods throughout the entire manufacturing process is standard procedure for all items manufactured by Avalco.

PART NUMBER CROSS REFERENCE GUIDE

| AVALCO | SCHRADER | DILL | STD | DESCRIPTION | PAGE |
|---------|----------|---------|-------------|------------------------------------|----------|
| AV812 | 7607AH | SK15171 | AN-812-1 | Charging Valve | 2, 7 |
| AV798 | 798 | 9019C | MS-28889-2 | Charging Valve | 2, 6 |
| AV4361 | 436S | 8990C | AN-6287-1 | Charging Valve | 2, 7 |
| AV10M | N/A | N/A | M-6164-12 | Charging Valve | 2, 6, 10 |
| AV813SS | 2525 | 637 | MS-20813-1 | High Pressure valve cap | 5 |
| AV556 | 556 | 8921 | | High pressure inflating connection | 3, 8, 9 |
| AV2755 | 2755 | 9043 | MS-33656E3* | High pressure inflating connection | 3, 8, 9 |
| AV6116 | 6116 | SK2043C | | High pressure inflating connection | 3, 8 |
| AV5007 | 5007 | N/A | MS-33656E4* | High pressure inflating connection | 3, 8 |
| AV5008 | N/A | N/A | | High pressure inflating connection | 3, 8 |
| AV300 | N/A | N/A | SAE # 3 | Tank Valve | 4 |
| AV500 | N/A | N/A | SAE # 5 | Tank Valve | 4 |
| AV700 | N/A | N/A | | Tank Valve | 4 |
| AV125B | N/A | N/A | | Bleeder Valve | 4 |
| AV250B | N/A | N/A | | Bleeder Valve | 4 |

*Also meets fitting connections AS4395-3, AS4395-4 respectively

*Functionally interchangeable but a different product

OUR QUALITY GUARENTEE

We will always stand behind our products 100%.
If at any time, any customer finds any manufacturing defects in parts made by us we will replace them at no cost.

OUR PRICE GUARENTEE

*We will beat any competitor's price by at least 5%
on any product we make, no matter what!
No IFS, ANDS, OR BUTS!*

We have made a sincere effort to describe the products in this catalog accurately. However, descriptions, illustrations, and photos are for identification and decorative purposes only and not intended to imply a warrantee of function, fit, or purpose of the product.