



INNOVATION INSIDE.

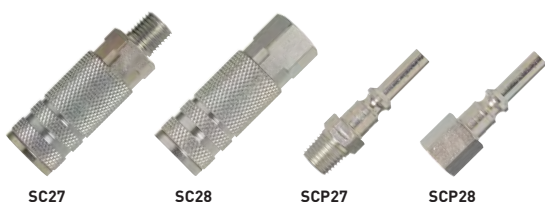
SCHRADER INDUSTRIAL PRODUCTS CATALOG

►► COUPLERS & PLUGS



WARNING: Handling the brass parts of this product will expose you to lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Wash hands after handling.

COUPLERS AND PLUGS



SC27

SC28

SCP27

SCP28

1/4" Lincoln™ Style Couplers and Plugs

These interchange with Lincoln Long Nose Series, as well as units produced by other manufacturers.

Male Thread	Female Thread	NPT Size
COUPLERS		
SC27	SC28	1/4"
ADAPTER PLUGS		
SCP27	SCP28	1/4"



1/4" Aro™ Style Couplers and Plugs

These interchange with Aro™ 210 as well as units produced by many other manufacturer's.

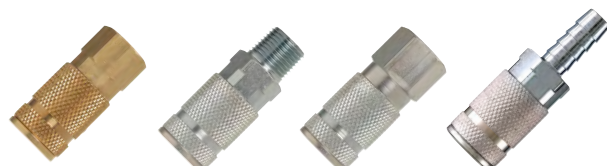


SC37

SC38

SC38-42

SC37B



SC38B

SC37-03

SC38-23

SC38-44



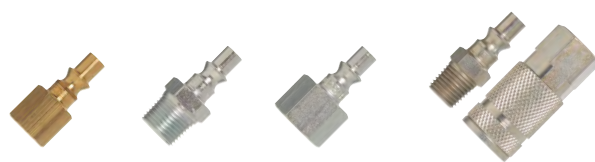
SC45*

SC46

SCP37

SCP38

SCP37B



SC38B

SCP37-03

SCP38-23

Combo Pack
SCP37 / SC38

1/4" "Aro" Couplers

Uses standard "Type B" adapter plugs. Has maximum working pressure of 250 PSI.

Male Thread	Female Thread	Hose Barb	NPT Size
COUPLERS			
SC37	SC38	SC38-42	1/4"
SC37B	SC38B		1/4"
SC37-03	SC38-23	SC38-44	3/8"
PUSH-TO-CONNECT COUPLERS			
SC45*	SC46		1/4"

B = Brass L = Locking
*may be sourced offshore

Male Thread	Female Thread	Hose Barb	NPT Size
ADAPTER PLUGS			
SCP37	SCP38		1/4"
SCP37B	SCP38B		1/4"
SCP37-03	SCP38-23		3/8"
COMBO PACK (1 EA. SCP37 / SCP38)			
SCP37	SC38		1/4"

B = Brass L = Locking



SC61

SC60

SC60-23

1/4" 3-way "Push-to-Connect" Coupler

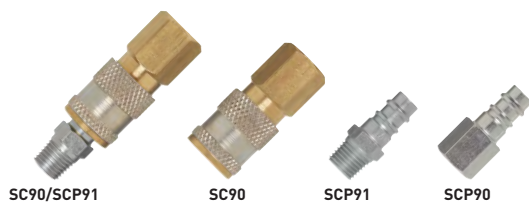
These yellow chromate plated steel and brass couplers fit all 1/4" Aro™ Style, 1/4" Automotive Style, and 1/4" Industrial Interchange coupler plugs available in the marketplace.

Maximum working pressure is 250 PSI.

Male Thread	Female Thread	NPT Size
COUPLERS		
SC61	SC60	1/4"
	SC60-23	3/8"

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

COUPLERS AND PLUGS



1/4" High Volume / Low Pressure Couplers and Plugs

Item No.	Description
SC90/ SCP91	The unique valve and plug design of this special purpose coupler and plug set provides a much larger passage of air than standard 1/4" units. It allows as much air passage as a standard 3/8" coupler and plug unit. Especially designed for the paint industry.
SC90	1/4" FNPT Coupler
SCP91	1/4" MNPT Plug
SCP90	1/4" FNPT Adapter Plug



1/4" Automotive Style

These interchange with TruFlate™ as well as units produced by many other manufacturers.

Male Thread	Female Thread	Hose Barb	NPT or Barb
COUPLERS			
SC1	SC2	SC2-42	1/4"
SC1B	SC2B		1/4"
			1/4"
SC1-03	SC2-23	SC2-44	3/8"
		SC2-44L	3/8"
COUPLERS FOR RECAPPERS			
	SC2R		1/4"
B = Brass L = Locking			

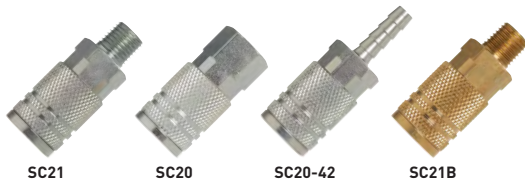
Male Thread	Female Thread	Hose Barb	NPT or Barb
ADAPTER PLUGS			
SCP1	SCP2		1/4"
SCP1B	SCP2B		1/4"
		SCP1-44	3/8"
SCP1-03		SCP1-44L	3/8"
	SCP2-23		3/8"
ADAPTER PLUGS FOR RECAPPERS			
SCP1-302**			1/4"***
	SCP14		.482 - 26
B = Brass L = Locking			
** SCP1-302 Also has inside cap thread.			

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

COUPLERS AND PLUGS

Type

D



SC21

SC20

SC20-42

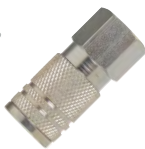
SC21B



SC20B



SC21-03



SC20-23



SC20-44L



SC41*



SC40*



SCP21



SCP20



SCP21-42



SCP21B



SCP20B



SCP21-42L



SCP21-03



SCP20-23



SCP21-44L



Combo Pack
SCP21 / SC20



SCP22

1/4" Industrial Interchange Style Coupler and Plugs

These interchange with Hansen™, Milton™, Foster™, Aro™, Parker™ and others.

Male Thread	Female Thread	Hose Barb	NPT or Barb
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COUPLERS

SC21	SC20	SC20-42	1/4"
SC21B	SC20B		1/4"
SC21-03	SC20-23	SC20-44L	3/8"

B = Brass L = Locking

1/4" "Push-to-Connect" Couplers

These couplers automatically connect by pushing the plug into the coupler and disconnect when sleeve is pulled back. Uses standard Type D adapter plugs. Has maximum working pressure of 250 PSI.

Male Thread	Female Thread	Hose Barb	NPT or Barb
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PUSH TO CONNECT COUPLERS

SC41*	SC40*		1/4"
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ADAPTER PLUGS

SCP21	SCP20	SCP21-42	1/4"
SCP21B	SCP20B	SCP21-42L	1/4"
SCP21-03	SCP20-23	SCP21-44L	3/8"

COMBO PACK (1 ea. SCP21 and SC20)

SCP21/SC20	1/4"
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ADAPTER PLUGS FOR RECAPPERS

SCP22	.302-32THD
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B = Brass L = Locking

*may be sourced offshore

Ask your Schrader representative about private label packaging and bulk pack bin boxes.



Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

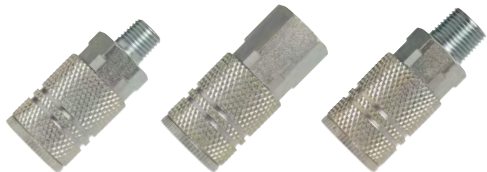


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COUPLERS AND PLUGS

Type

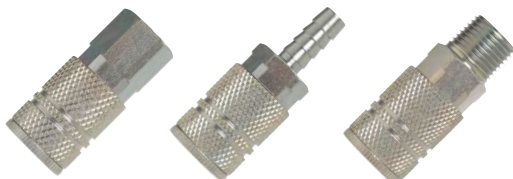
E



SC25-02

SC26-22

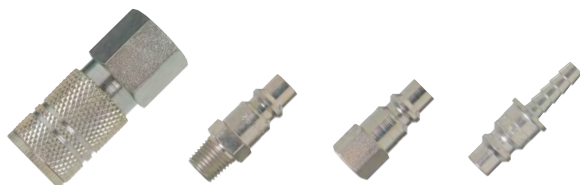
SC25



SC26

SC26-44

SC25-04



SC26-24

SCP25-02

SCP-26-22

SCP25-42



SCP25

SCP26

SCP25-44

SCP25-04

SCP26-24

3/8" Industrial Interchange Style Couplers and Plugs

This group of medium sized couplers and plugs provide greater air flow than 1/4" inch units.

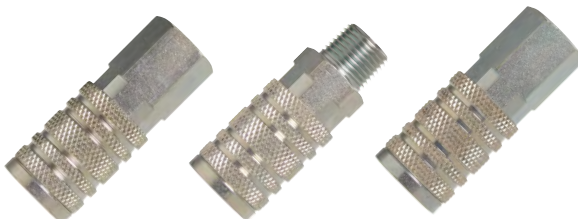
Male Thread	Female Thread	Hose Barb	NPT or Barb
COUPLERS			
SC25-02	SC26-22		1/4"
SC25	SC26	SC26-44	1/4"
			3/8"
SC25-04	SC26-24		3/8"
			1/2"

Male Thread	Female Thread	Hose Barb	NPT or Barb
ADAPTER PLUGS			
SCP25-02	SCP26-22	SCP25-42	1/4"
SCP25	SCP26	SCP25-44	3/8"
		SCP25-44L	3/8"
SCP25-04	SCP26-24		1/2"

L = Locking

Type

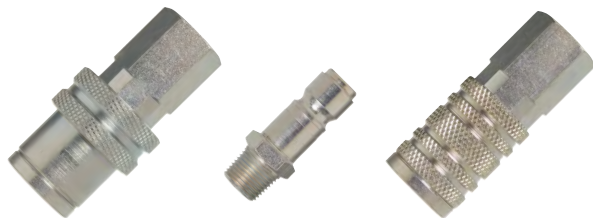
F



SC10-23

SC9

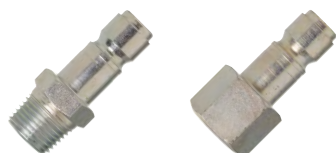
SC10



SC10R

SCP9-03

SCP10-23



SCP9

SCP10

1/2" Automotive Style Couplers and Plugs

You can use either 1/2" Automotive or 1/2" Industrial interchange plugs with these couplers.

Male Thread	Female Thread	Hose Barb	NPT Size
COUPLERS			
	SC10-23		3/8"
SC9	SC10		1/2"
	SC10R (Raised Sleeve)		1/2"

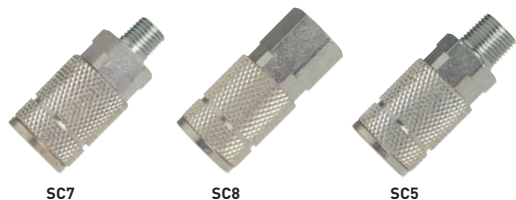
R = Recapper

ADAPTER PLUGS

SCP9-03	SCP10-23	3/8"
SCP9	SCP10	1/2"

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

COUPLERS AND PLUGS



SC7

SC8

SC5



SC6

SC6-44

SC5-04

SC6-24



SCP7

SCP8

SCP5

SCP6



SCP5-44

SCP5-44L

SCP5-04

3/8" Automotive Style Couplers and Plugs

Male Thread	Female Thread	Hose Barb	NPT or Barb
COUPLERS			
SC7	SC8		1/4"
			1/4"
SC5	SC6	SC6-44	3/8"
	SC6B		3/8"
SC5-04	SC6-24		1/2"

Male Thread	Female Thread	Hose Barb	NPT or Barb
ADAPTER PLUGS			
SCP7	SCP8		1/4"
			1/4"
SCP5	SCP6	SCP5-44	3/8"
		SCP5-44L	3/8"
SCP5-04			1/2"

L = Locking



SCP17-03

SCP18-23

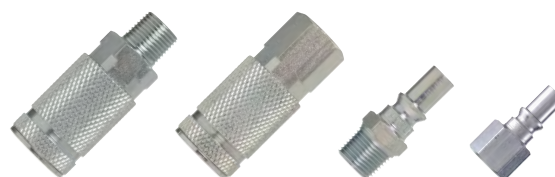
SCP17

SCP18

1/2" Industrial Interchange Plugs

These 1/2" Industrial interchange Adapter Plugs are completely interchangeable with the Type F Automotive Series shown above.

Male Thread	Female Thread	NPT Size
ADAPTER PLUGS		
SCP17-03	SCP18-23	3/8"
SCP17	SCP18	1/2"



SC35

SC36

SCP35

SCP36

3/8" Aro™ Style Couplers and Plugs

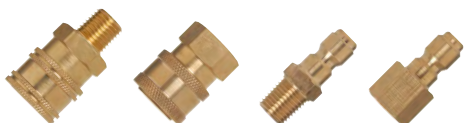
Male Thread	Female Thread	NPT Thread
COUPLERS		
SC35	SC36	3/8"
ADAPTER PLUGS		
SCP35	SCP36	3/8"

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

COUPLERS AND PLUGS

Type

L



SCST3B

SCST4B

SCPST3B

SCPST4B

Straight-through Couplers and Adapter Plugs for Liquids

Available in 1/4" and 3/8" body sizes. These units have no valves. Smooth, straight through bore gives maximum flow with minimum pressure drop. Couplers are brass, with stainless steel balls and springs. Plugs are brass. Used with pressure washers, carpet cleaners and car wash equipment.

Type "L" 1/4" Body Couplers and Plugs

Male Thread	Female Thread	NPT Thread
COUPLERS		
SCST3B	SCST4B	1/4"

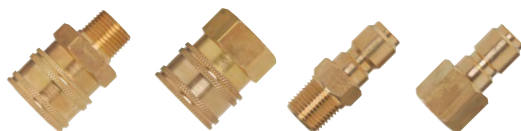
B = Brass

Male Thread	Female Thread	NPT Thread
ADAPTER PLUGS		
SCPST3B	SCPST4B	1/4"

B = Brass

Type

M



SCST5B

SCST6B

SCPST5B

SCPST6B

Type "M" 3/8" Body Couplers and Plugs

Male Thread	Female Thread	NPT Thread
COUPLERS		
SCST5B	SCST6B	3/8"

Male Thread	Female Thread	NPT Thread
ADAPTER PLUGS		
SCPST5B	SCPST6B	3/8"

B = Brass

Technical questions can be resolved by contacting our technical support department at 1.800.288.1804 x8620 or by emailing: techservice@schraderintl.com



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WARNING: Handling the brass parts of this product will expose you to lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Wash hands after handling.



VALVE CORES

▶ ▶ VALVE CORES, VALVE CORE TOOLS AND ACCESSORIES



Valve cores are a cartridge type, spring assisted, check valve assembly that screw into a mating threaded cavity (housing).

A valve core cartridge assembly is comprised of a spring-loaded pin in a tubular housing that has an external thread for mounting into a mating cavity. The valve pin has a soft elastomeric seating washer and an extended actuation shaft. When the actuation shaft is depressed it forces the pin to move off the valve core's housing seat allowing flow to pass through the valve. The core assembly has an external PFA (Perfluoroalkoxy) static seal to prevent leakage between the valve core and the mating cavity it screws in to.

For example: an automotive tire pressurization valve that is comprised of a valve core mounted in a stem type housing. When a pressurized hose fitting is placed over the tire valve stem the fitting pushes the valve core pin inwards forcing the flow of air to enter the tire. When the hose fitting is removed the valve core's spring and internal tire pressure forces the valve core to close.

There are a number of options for customers wishing to purchase valve cores in both the OEM and aftermarket sectors, see the product part tables on page 5 for more information.

Most Schrader® valves have threads and bodies with a standard exterior size allowing for use of universal caps and tools. A Schrader valve can be used to control air, nitrogen, R12, R22, R134a, R1234-YF, oils, Halon, SF6, Petrol's, and other controllable media.

Construction information

Materials

Brass, Stainless Steel (spring)

Sealing Materials

Polychloroprene (Neoprene), Nitrile-Butadiene (Nitrile), Hydrogenated Nitrile-Butadiene (HNBR), Fluorocarbon (Viton®, GFLT), Silicone, Epichlorohydrin, Silastic, PFA (Perfluoroalkoxy).

Finish

No Plating, Nickel or Tin plated Brass

Valve cores are defined by their characteristics, and depending on the type selected, these characteristics vary depending on the material, the finish and the design of each valve core.

Opening Pressure: This is the typical air pressure necessary to overcome the resistance of the spring that keeps the valve closed, allowing air to pass through.

Minimum and Maximum Travel: This is the recommended distance the pin can travel without damaging the valve core. This information can be found on specific Schrader drawings.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

All Schrader® valve cores are compatible with existing SAE, Tire & Rim, ISO and ARI standards, manufacturing valves for air tanks, steel barrels, compressors and other pneumatic containers where dependable automatic valves are needed. Schrader also offers service tools to install, remove or repair valves.

OEM sales available worldwide in medium to high quantities.
Application specific orders welcomed.

Schrader offers a range of standard, large bore, airplane and special valve cores through the aftermarket/replacement sector.

Tank Valves

High Pressure Valves

Build Your Own Valve

Valve Cores

Air System Fittings

TPMS (Tire Pressure Monitoring System)

Couplers and Plugs

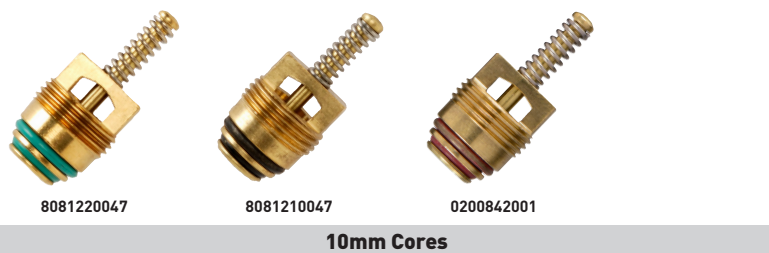
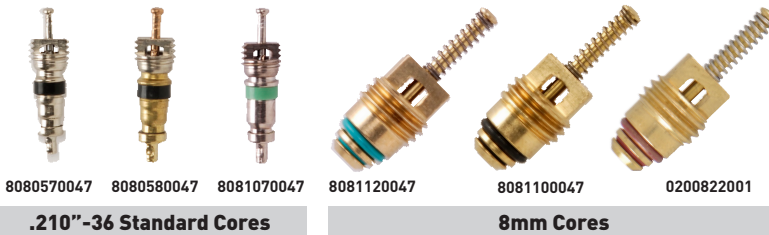
Schrader International, Inc. reserves the right to change any of the following specifications without notice. This document is meant to be used as reference only. For more specific information, or information regarding cores not listed here, please contact Schrader International, Inc.



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VALVE CORES

Air Conditioning



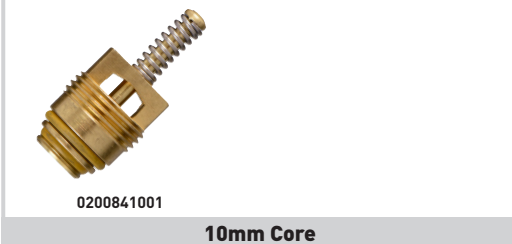
Miscellaneous



Standard Air



Fuel System Cores



Valve Core Assortment Kit
Part# 0200000001

For application details please contact your Schrader Sales representative.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

Air Conditioning

Part No. 1,000 pack	Opening Pressure PSIG	Max. Working Pressure PSIG	Temp Range °F	Installation Torque IN.-LBS	Core Type	Dynamic Sealing Surface	Surface Finish
8080570047	40	800	-20 to 220	3-5	Standard	Neoprene	Plated
8080580047	40	800	-20 to 220	3-5	Standard	Neoprene	Unplated
8081070047	40	800	-10 to 300	3-5	Standard	HNBR	Plated
8081100047	N/A	800	-40 to 245	10-20	8mm	Neoprene	Unplated
8081120047	N/A	800	-40 to 245	10-20	8mm	HNBR	Unplated
8081210047	N/A	800	-40 to 245	15-30	10mm	Neoprene	Unplated
8081220047	N/A	800	-40 to 245	15-30	10mm	HNBR	Unplated
0200822001	N/A	800	-40 to 300	10-20	8mm	HNBR	Unplated
0200842001	N/A	800	-40 to 300	15-30	10mm	HNBR	Unplated
8081530070	N/A	800	-40 to 245	5-10	JRA	HNBR	Plated
8081540070	N/A	800	-40 to 245	5-10	JRA	HNBR	Unplated
8081910047	N/A	400	-40 to 210	3.5-7	Std. European	Chloroprene	Plated
8089000070	N/A	400	-40 to 210	6.2-9.7	8mm European	Chloroprene	Plated

Standard Air

Part No. 1,000 pack	Opening Pressure PSIG	Max. Working Pressure PSIG	Temp Range °F	Installation Torque IN.-LBS	Core Type	Dynamic Sealing Surface	Surface Finish
045750035	25 to 35	200	-40 to 165	3-5	Standard	Nitrile	Unplated
054051000	90	250	-65 to 300	3-5	Standard	Silicone	Plated
085000020	60 to 75	300	-40 to 225	3-5	Standard	Nitrile	Unplated

Fuel System Cores

Part No. 1,000 pack	Opening Pressure PSIG	Max. Working Pressure PSIG	Temp Range °F	Installation Torque IN.-LBS	Core Type	Dynamic Sealing Surface	Surface Finish
8080721047	40	500	0 to 450	3-5	Standard	Viton®	Plated
8080731047	40	500	-40 to 450	3-5	Standard	Viton®	Plated
8080801047	40	500	-30 to 400	3-5	Standard	GFLT	Plated
061810020	45	500	-20 to 350	3-5	Standard	Viton®	Unplated
0200841001	N/A	800	-40 to 400	15-30	10mm	Viton®	Unplated

Miscellaneous

Part No. 1,000 pack	Opening Pressure PSIG	Max. Working Pressure PSIG	Temp Range °F	Installation Torque IN.-LBS	Core Type	Dynamic Sealing Surface	Surface Finish
015660113	0.2 to 4	150	-10 to 165	3-5	Standard	Nitrile	Plated
062310199	50	200	-65 to 300	3-5	Large Bore	Red Silicone	Plated
060350001*	50	550	-65 to 350	3-5	Standard	Silastic	Plated
099141117	80	4000	-40 to 225	3-5	Standard	Nitrile	Plated
8039700047	N/A	200	-2 to 167	3-5	Standard	Nitrile	Plated
8588900047	23-28 (approx.)	n/a	n/a	3-5	Standard	Nitrile	Plated

*no longer certified for aircraft use

1,000 pack part numbers shown. Other pack sizes available. Contact customer service or an authorized distributor for more information.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

VALVE CORE INSTALLATION

Installation Guide

Scope

This engineering guide is to cover the installation and application recommendations for the use of standard valve cores in all automotive and industrial applications.

Product Type

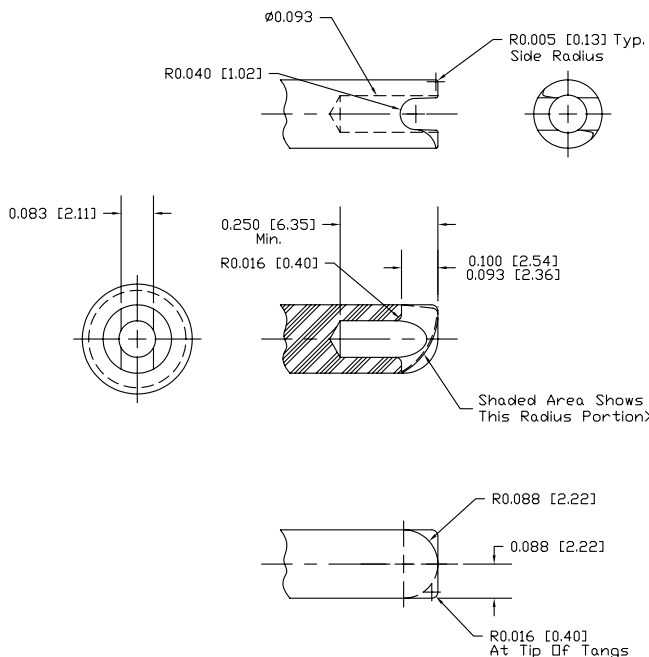
Standard valve cores are defined by ISO (International Standards Organization), TRA (Tire & Rim Association) and ARI (American Refrigeration Institute) relative to the application for air, fluid and gas service devices.

Installation Torque

The installation torque for standard cores per ISO is 3 – 5 in. lbs. [0.34 – 0.57 Nm]. Breakaway torque is not an accurate way to verify the installation torque due to material, lubricants and other conditions that may exist.

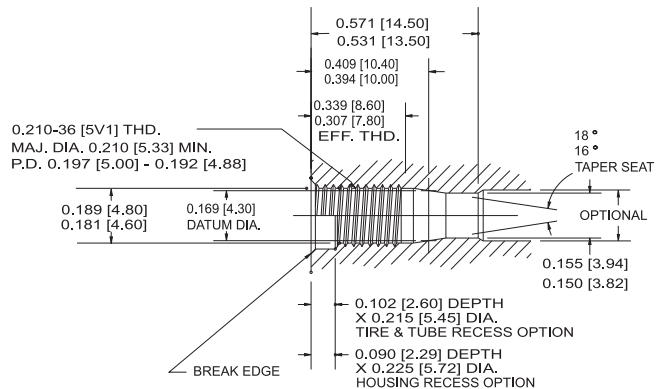
Torque Drivers

For automated assembly, it is recommended to use only drafted torque driver bits that are more forgiving reducing the damage to the valve core creating chips that may cause leaks in the final assembly. [Specifications shown below.]



Temperature Sensitive

It is not recommended to submit the Valve Core assembled into a Valve Body to accelerated temperatures above the normal operating temperatures such as brazing and oven curing for paints and other coating processes. Permanent damage to the seals may occur causing long term sealing problems.



Standard Core Drilling

Core chamber must conform to ISO 7442 and threads must be to ISO 4570/1

All Valve Bodies must conform to the TRA, ISO or ARI recommended standard core drilling to ensure proper seating of the Valve Core to meet the sealing and pin height requirements of the individual industry standards.

Cleanliness

Cleanliness for the Valve Cores and Body must be less than 0.015 grams per 100 parts after final assembly. Using improper torque drivers can cause contamination.

Surface Finish

The importance of a properly machined housing cannot be overemphasized. The surface finish of the taper seat must be smooth without any machining tool marks. The proper taper seat angle must also be met to ensure proper compression of the outer Valve Core sealing material.

Serviceability

No Valve Cores are to be reused under any circumstances after removal from the Valve Body. Always install a new Valve Core when servicing the system for air, fluid or gas applications.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

The right tools for the job

Proper core installation is important to ensure correct pin height and leak free performance. Schrader recommends that tools designed specifically for the task be used.

Standard core tap/drill components.



S8044 - #24 drill
S12419 - step drill
S8053 - tap
S8038 - taper seat reamer

Meets Tire and Rim Association (TRA) recommended torque values of 3" to 5" in-lb. on TRC1 valve cores. Serves as both a core remover and installer. Order individually. (One per box)



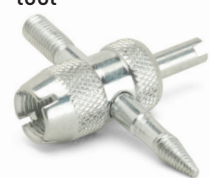
20141

Standard handle core tool for standard valve cores.

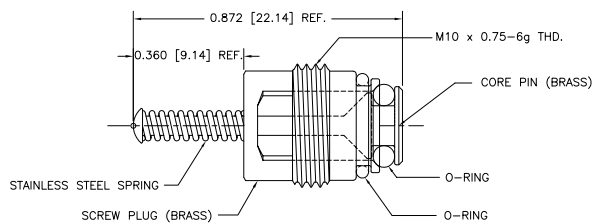


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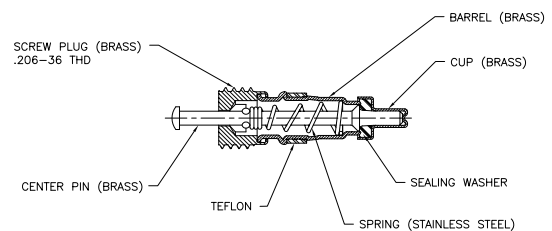
4-way valve core tool



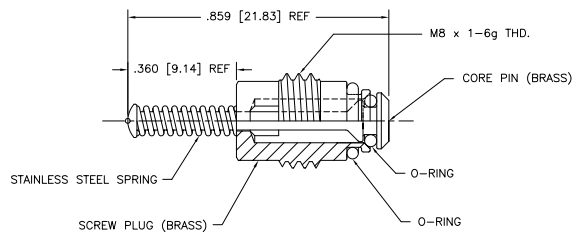
90-344



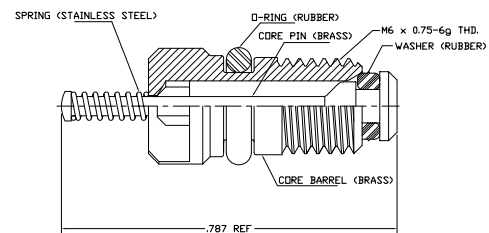
M10 Valve Core



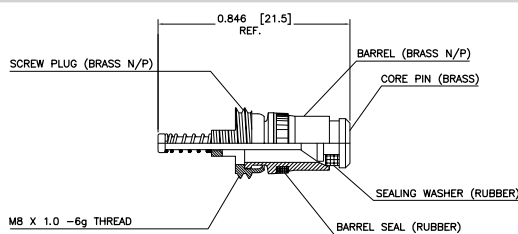
Standard Valve Core



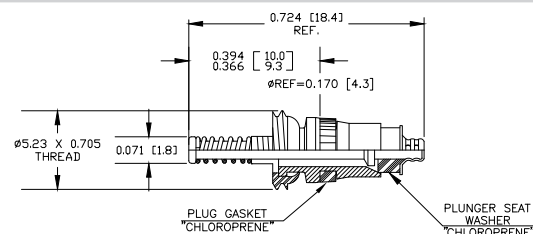
M8 Valve Core



JRA Valve Core



European M8 Valve Core



European Standard Valve Core

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.



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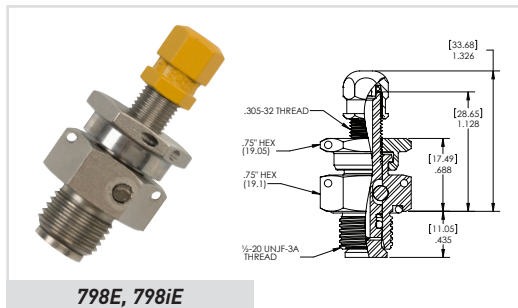
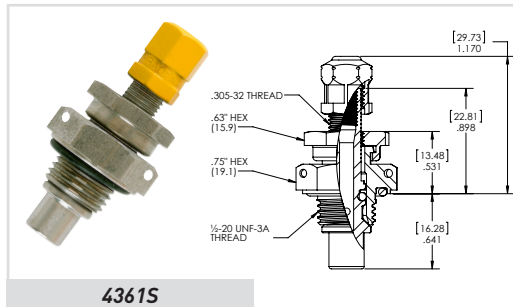
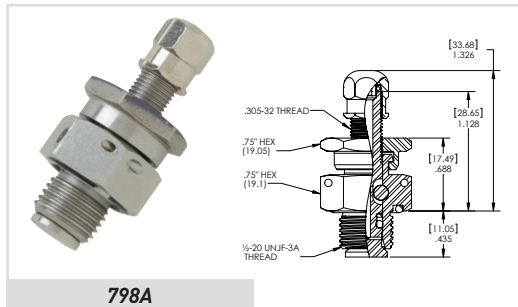
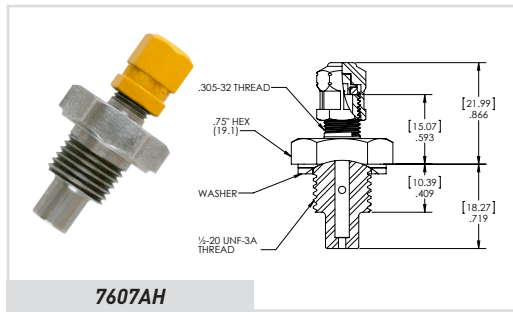
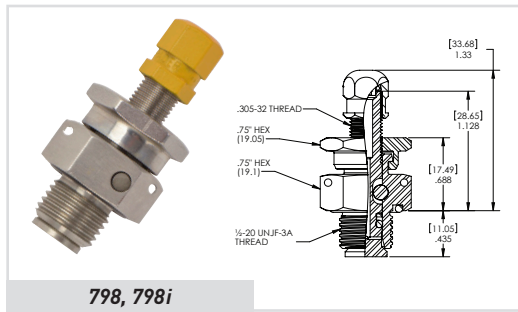
Valve core brochure - 10172017

SCHRADER HIGH PRESSURE VALVES & CONNECTORS

►► FOR USE IN HIGH-PRESSURE APPLICATIONS



HIGH PRESSURE VALVES



Schrader High Pressure Valves are constructed of stainless steel bodies and are intended for use in high-pressure air-charged units such as shock absorber struts, hydraulic pressure accumulators, surge cylinders, and pneumatic systems. These valves have a special feature which warns of un-released air pressure when the valve is being separated from the outlet. Contact Schrader for further information on military and commercial adaptations. The 798 family of valves have 1/2"-20 UNJF-3A threads for connection to container. The 7607AH and 4361S valves have 1/2"-20 UNF-3A threads.

High Pressure Valves

Part Number	Generic Number	AN/MS Number	Cap	Core	Working Pressure (PSIG)	Remarks
007987105	798	M-6164-2	2525	-	5,000	o-ring 007980114
007987109	798A	M-6164-5	7612	-	5,000	Meets Boeing spec. BAC-V10T, Nickel plated cap. Compatible with Skydrol #500-A Hydraulic fluid per M-6164-5
007987311	798E	M-6164-2	2525	-	5,000	Lockwire holes in swivel nut
0798001000	798i		2525	-	5,000	Not certified for aircraft use - Industrial use only
0798002000	798iE		2525	-	5,000	Lockwire holes in swivel nut. Not certified for aircraft use - Industrial use only
043617010	4361S	MS28889	2525	9914	4,000	
076070949	7607AH	MS28889	2525	9914	4,000	Includes copper sealing washer 0760700001 (5) pcs

- Installation Torque: 120 ± 5 in/lbs (Lubricate o-ring with hydraulic oil) - Does not apply to 7607AH
- Closing Torque: 55 ± 5 in/lbs - Does not apply to 7607AH
- Cap Installation Torque: 5 - 15 in/lbs

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

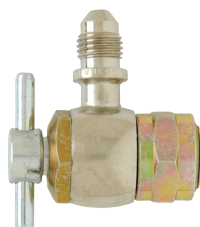
HIGH-PRESSURE INFLATING CONNECTORS

High Pressure Inflating Connectors

These high pressure inflating connections attach securely by hand or wrench to the valve cap threads of high pressure valves. They can be fitted to gauging and inflating devices by a variety of methods. Various angles permit easy attachment to hard-to-reach valves.



005560099



027550169
027550008



050070099



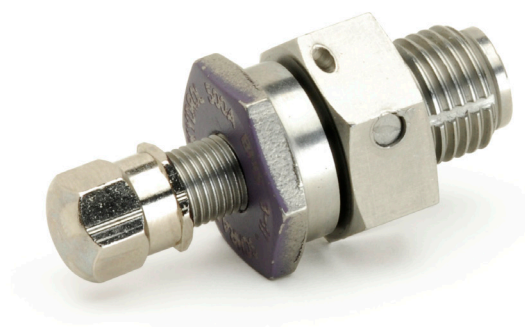
061160001



057840099

Part Number	Generic Number	Thread Size	Air Line Connection	Max. Pressure (PSIG)	Configuration	Recommended Max. Torque to Valve Mouth*	Remarks
005560099	556	.305"-32	1/8" NPT Male	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550080
027550169	2755	.305"-32	3/8"-24 thread for 3/16" flare tube fitting, meets SAE A54395	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550080
027550008	2755L Large Bore	.485"-26	3/8"-24 thread for 3/16" flare tube fitting	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550012
050070099	5007	.305"-32	7/16"-20 thread for 1/4" flare tube fitting, meets SAE AS4395	15,000	Straight	75 in.-lb. for steel valves	Copper sealing washer 027550080
061160001	6116	.305"-32	1/8" NPT Female	3,000	Air line connection 70 to axis of valve	30 in.-lb.	Hard fiber sealing washer 0611650001 (1) pc 0611650025 (25) pcs
057840099	5784	.305"-32	7/16"-20 thread for 1/4" flare tube fitting, meets SAE AS4395	5,000	Air line connection 70 to axis of valve	30 in.-lb.	Hard fiber sealing washer 019370029

* It may be necessary to replace the sealing washers after a number of uses to insure sealing on valve mouth



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SCHRADER TANK VALVES

- ▶ ▶ FOR USE IN AIR BLADDER APPLICATIONS, BICYCLE SUSPENSION SYSTEMS, TELECOMMUNICATIONS, WATER STORAGE SYSTEMS, ETC.



TANK VALVES

Demand an authentic Schrader valve built by the company that set the quality standard for tank valves more than 50 years ago. Our reliable valves make us the industry leader in performance.

Schrader's experienced product development staff provides unique solutions for unique applications. Schrader can meet requirements and specifications for performance, size-weight, and cost, whether it is a single component, sub assembly or module.

Existing Tank Valve applications cover many and varied uses from telecommunications to water storage. Schrader Tank Valves fit your application dependably and economically.

Don't see a combination you need? Contact Schrader or your nearest Schrader Distributor.

Applications

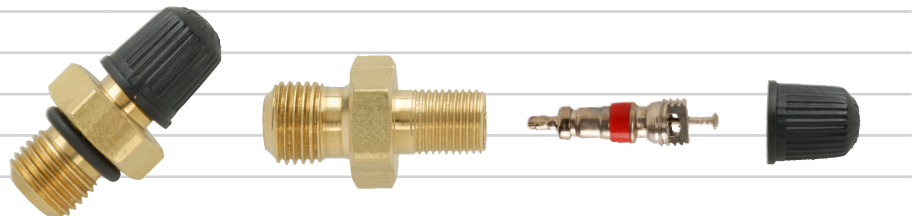
Water Storage

Air Bladder Applications

Telecommunications

Bicycle Suspension Systems

Multiple Fluids Compatibility



Schrader International, Inc. reserves the right to change any of the following specifications without notice. This document is meant to be used as reference only. For more specific information, or information regarding cores not listed here, please contact Schrader International, Inc.

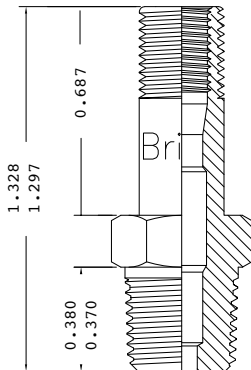
TANK VALVE INFORMATION

CURRENT HOUSING #	OLD MONROE HOUSING #	OVERALL LENGTH	THREAD SIZE	HEX SIZE
560	1498	1.312	1/4-18" NPT	9/16"
900	645	1.312	1/8-27" NPT	7/16"
901	1468	1.312	1/8-27" NPT	7/16"
904	9166	0.860	1/8-27" NPT	7/16"
906	NONE	0.937	1/8-27" NPT	7/16"
566	NONE	1.060	1/8-27" NPT	7/16"
557	NONE	1.000	1/4-18" NPT	9/16"

OLD NOMENCLATURE CONVERSION

HOUSING #	LETTER/CORE #	NUMBER/CAP #	ALTAVISTA/ CAP #	REMARKS
645	H = 2300	-5 = 2525 CAP	132790	2300 core replaced by 099141117
1468	L = 8500	-6 = 6300C CAP	074931	8500 core replaced by 8080570047
1498	M = 1566	-8 = 7572 CAP	084421	
9166	P = 5405	-9 = 7612 CAP	761200	
	S = 6181	-11 = 7572S CAP	075720329	6181 core can be replaced by 8080801047
	W = 9914	-17 = 440 CAP	059980000	
	X = 6035	-18 = 660 CAP	135853	
		-20 = 2316C CAP	074501	

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.



900 Series Tank Valves

Cap Thread .305-32 Tank Thread 1/8" NPT

Low lead (LL) version available

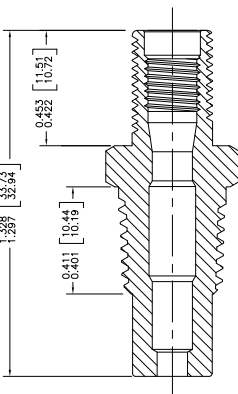
Part Number	Valve Core	Cap	Finish	Application	Remarks
3890000047	015660113	135853	Nickel	Low Pressure	
3890000424	054051000	084421	Brass	Std Air	
3890010047	045750035	074931	Nickel	Low Pressure	
3890011075	054051000	084421	Nickel	Std Air	Loctite on pipe thds
3890030075	054051000		Nickel	Std Air	
3890060075	054051000	084421	Nickel	Std Air	
3890080075	015660113		Nickel	Low Pressure	
8090000070	054051000	074931	Nickel	Std Air	
8090001447	015660113	074931	Nickel	Low Pressure	
8090001547	099141117		Nickel	High Pressure	
8090001647	015660113		Nickel	Low Pressure	
8090001747	099141117	132790	Nickel	High Pressure	
8090001947	060350001	132790	Nickel	High Temp Air	
8090010070			Nickel		Body Only
8090030075	054051000	135853	Nickel	Std Air	
8090040047	8039700047		Brass	Water	Pull Core for Water Systems and Humidifiers
8090050047	054051000	135853	Brass	Std Air	
8090051047	8080588047	074931	Nickel	A/C	Springless Core

901 Series Tank Valves

Cap Thread .305-32 Tank Thread 1/8" NPT

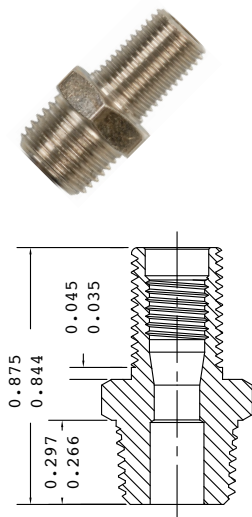
Part Number	Valve Core	Cap	Finish	Application	Remarks
8090113047	8080570047		Nickel	A/C	
8090120070	054051000	074931	Nickel	Std Air	
8090160047	015660113		Nickel	Low Pressure	
8090180047	099141117	132790	Nickel	High Pressure	
8090112047	054051000	084421	Nickel	Std Air	

Note: Valve core dictates pressure. See valve core brochure for details.



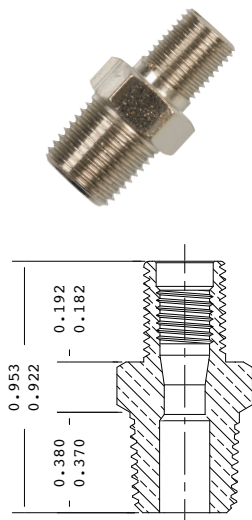
Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

TANK VALVES



904 Series Tank Valves Cap Thread .305-32 Tank Thread 1/8" NPT

Part Number	Valve Core	Cap	Finish	Application	Remarks
8090400070			Nickel		Body Only
8090400947	054051000	761200	Nickel	Std Air	
8090401047	099141117	132790	Nickel	High Pressure	
8090401247	015660113	074931	Nickel	Low Pressure	
8090401347	054051000	231600	Nickel	Std Air	
8090401647	8080570047	074931	Nickel	A/C	
8090401847	8080570047	084421	Nickel	A/C	
8090410075	054051000		Nickel	Std Air	
8090411075	054051000	084421	Nickel	Std Air	
8090413047	054051000	135853	Nickel	Std Air	
8090420075	8080721047	084421	Nickel	Fuel	
8090430047	099141117	761200	Nickel	High Pressure	
8090440075	054051000		Nickel	Std Air	#79 locknut included
8090450047	054051000	115500	Nickel	Std Air	
8090470075	8080721047	135853	Nickel	Fuel	
8090480070			Brass		Body Only
8090490075	8080580047	084421	Nickel	A/C	

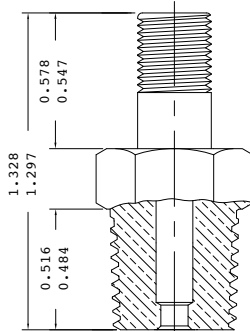


906 Series Tank Valves Cap Thread .305-32 Tank Thread 1/8" NPT Low lead (LL) version available

Part Number	Valve Core	Cap	Finish	Application	Remarks
3890600057	054051000	084421	Brass	Std Air	
3890600075			Nickel		Body Only
3890620070	8080721047	084421	Nickel	Fuel	
3890640075	054051000	084421	Nickel	Std Air	
3890641075	054051000	084421	Nickel	Std Air	Loctite® on pipe threads
3890642075	054051000		Nickel	Std Air	Loctite® on pipe threads
3890650075	054051000	135853	Brass	Std Air	
3890670070	8080721047	135853	Nickel	Fuel	Cap packed separately
3890690070	8080721047	084421	Nickel	Fuel	Cap packed separately
8090601347	015660113	135853	Nickel	Low Pressure	
8090601447	099141117	059980000	Nickel	High Pressure	
8090601547	054051000	074931	Nickel	Std Air	
8090601647	045750035	084421	Nickel	Low Pressure	
8090620075	054051000	135853	Nickel	Std Air	
8090630075	8080801047	135853	Nickel	Fuel	Alternative Fuels
8090650075	054051000	084421	Nickel	Std Air	Cap packed separately
8090670047			Brass		Body Only
8090680047	8080580047	084421	Nickel	A/C	
8090690047	099141117	084421	Nickel	High Pressure	

Note: Valve core dictates pressure. See valve core brochure for details.

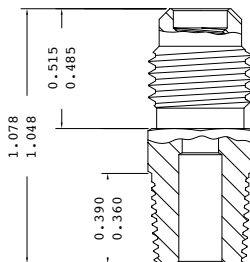
Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.



560 Series Tank Valves

Cap Thread .305-32 Tank Thread 1/4" NPT Low lead (LL) version available

Part Number	Valve Core	Cap	Finish	Application	Remarks
8056001147	060350001	059980000	Bright Dip	High Temp Air	
8056011047			Bright Dip		Body Only
8056012047	8080580047	084421	Bright Dip	A/C	
8056013047	015660113	135853	Bright Dip	Low Pressure	
8056014047	015660113	074931	Bright Dip	Low Pressure	
8056015047	015660113	074501	Bright Dip	Low Pressure	
8056016047	015660113	074931	Bright Dip	Low Pressure	
8056017047	015660113		Bright Dip	Low Pressure	
8056020047	054051000	074931	Bright Dip	Std Air	
8056021047	054051000	084421	Nickel	Std Air	
8056030047	015660113	084421	Nickel	Low Pressure	
8056040047	054051000	135853	Bright Dip	Std Air	
8056050047	8080588047	074931	Brass	A/C	Springless valve core
8056060047	8080570047	074931	Bright Dip	A/C	
8056061047	099141117	132790	Bright Dip	High Pressure	
8056062047	8080570047	074501	Bright Dip	A/C	Black Onyx Cap
8056080047	8080721047	084421	Bright Dip	Fuel	
8056090047	054051000	084421	Bright Dip	Std Air	



566 Series Tank Valves

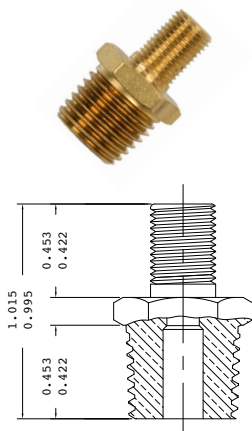
Cap Thread 7/16-20 UNF Tank Thread 1/8" NPT

Part Number	Valve Core	Cap	Finish	Application	Remarks
8056610047	8080721047	205080	Bright Dip	Fuel	
8056611047	045750035		Bright Dip	Low Pressure	
8056611147	8080721047	205235	Bright Dip	Fuel	Nylon Refrigeration Cap
8056612047	054051000		Bright Dip	Std Air	
8056620047	8080570047		Bright Dip	A/C	
8056622047	8080580047	205240	Bright Dip		Nylon Refrigeration Cap
8056640047	8080801047	205240	Nickel	Fuel	Nylon Refrigeration Cap
8056650047	8080721047	205080	Nickel	Fuel	
8056670047			Brass		Body Only
8056680047	054051000	205130	Bright Dip	Std Air	
8056683547	8080570047	205080	Bright Dip	A/C	Loctite® on pipe threads
8056690047	8080721047	205235	Nickel	Fuel	Nylon Refrigeration Cap

Note: Valve core dictates pressure. See valve core brochure for details.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

TANK VALVES



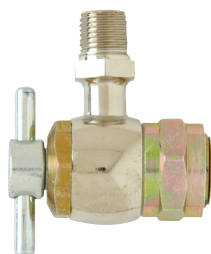
557 Series Tank Valves

Cap Thread .305-32 Tank Thread 1/4" NPT

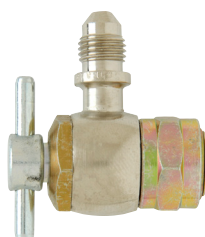
Part Number	Valve Core	Cap	Finish	Application
8055700047	8080721047	135853	Brass	Fuel
8055710047	8080721047	074931	Brass	Fuel
8055720047	099141117	132790	Brass	High Pressure
8055730047	054051000		Brass	Std Air

High Pressure Inflating Connectors

These high pressure inflating connections attach securely by hand or wrench to the valve cap threads of high pressure valves. They can be fitted to gauging and inflating devices by a variety of methods. Various angles permit easy attachment to hard-to-reach valves.



005560099



027550169
027550008



050070099



061160001



057840099

Part Number	Generic Number	Thread Size	Air Line Connection	Max. Pressure (PSIG)	Configuration	Recommended Max. Torque to Valve Mouth*	Remarks
005560099	556	.305"-32	1/8" NPT Male	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550080
027550169	2755	.305"-32	3/8"-24 thread for 3/16" flare tube fitting, meets SAE A54395	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550080
027550008	2755L Large Bore	.485"-26	3/8"-24 thread for 3/16" flare tube fitting	3,000	Air line connection 90 to axis of valve	50 in.-lb.	Has core depressor pin, copper sealing washer 027550012
050070099	5007	.305"-32	7/16"-20 thread for 1/4" flare tube fitting, meets SAE AS4395	15,000	Straight	75 in.-lb. for steel valves	Copper sealing washer 027550080
061160001	6116	.305"-32	1/8" NPT Female	3,000	Air line connection 70 to axis of valve	30 in.-lb.	Hard fiber sealing washer 0611650001 (1) pc 0611650025 (25) pcs
057840099	5784	.305"-32	7/16"-20 thread for 1/4" flare tube fitting, meets SAE AS4395	5,000	Air line connection 70 to axis of valve	30 in.-lb.	Hard fiber sealing washer 019370029

* It may be necessary to replace the sealing washers after a number of uses to insure sealing on valve mouth

Note: Valve core dictates pressure. See valve core brochure for details.

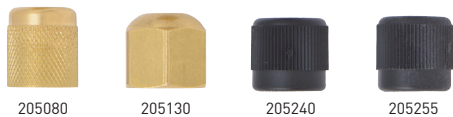
Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.

Available Cap Styles

Schrader provides a wide range of caps to meet any application. Caps below are for .305"-32 threads.



Caps below are for 7/16"-20, 1/4" flare threads.



Valve Cores

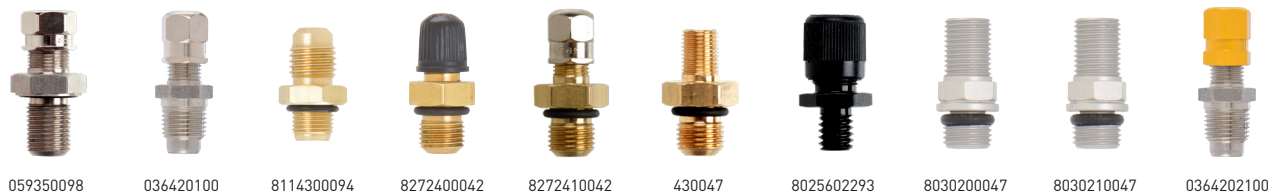
Ask for more information to see full valve core selection.



*Low lead (LL) Version available

For a complete list of valve cores, see Product Materials section under Valve Cores at www.SchraderInternational.com to download a complete valve core catalog

Specialty Valves



Part Number	Valve Core	Cap	Finish	Application	Remarks	Tank Thread	Cap Thread
059350098	099141117	059340098	Stainless	High Pressure	O-Ring, Shock Absorber Valve	1/2-20 UNF-3A	.482-26
036420100	054051000	761200	Stainless	Std Air	With Filter	1/8-27 NPT	.305-32
8114300094	8080580047		Brass	A/C	O-Ring	1/8-28 British	7/16-20 UNF-2A
8272400042	8080721047	135853	Brass	Fuel	O-Ring (H1341 Housing)	M10x1	.305-32
8272410042	099141117	761200	Brass	Fuel	O-Ring (H1341 Housing)	M10x1	.305-32
430047	054051000		Brass	Std Air	O-Ring (H1341 Housing)	M10x1	.305-32
8025602293	8080721047	205255	Blk Chrome	Fuel		5/16-18 UNC-2A	7/16-20 UNF-2A
8030200047	054051000		Aluminum	Std Air	O-Ring	5/16-32 UNEF-2A	.305-32
8030210047	8080731047		Aluminum	Fuel	O-Ring	5/16-32 UNEF-2A	.305-32
0364202100	099141117	132790	Stainless	Std Air	With Filter	1/8-27 NPT	.305-32

Lead-free Tank Valve Assemblies

With recent legislation in several states tightening regulation of lead content in the components of potable (drinking) water systems, Schrader International has developed a line of tank valve assemblies that are compliant with NSF/ANSI Standard 61 Annex G, which

limits assembly lead content to not more than 0.25% maximum of the wetted surfaces. Contact Schrader International for sizes and availability.

Note: Valve core dictates pressure. See valve core brochure for details.

Due to the variety of operating conditions or applications, the customer is responsible to perform their own testing to insure performance, safety and warning requirements for the intended application.



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ALTAVISTA, VA 24517

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Tank Valve brochure - 03082018