



Solenoid Valve Product Guide

If you've been

in design engineering,

facilities management,

plant maintenance,

or purchasing,

you already know

a thing or two about

solenoid valves.

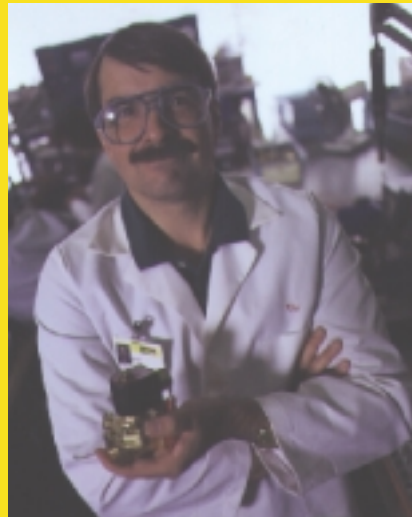


So...why use

Skinner and Gold Ring™

solenoid valves from

Parker Hannifin?



Top left: We make great valves! Parker's portfolio of solenoid valves includes a wide variety of two-way, three-way, and four-way valves for virtually any application.

Top right: They pass our toughest test—our people! All Skinner products undergo 100% functional testing.

Bottom: We're dedicated to shipping our products on your request date! Within our facility, individual manufacturing cells have been created to build our product lines.

Because Parker gives you a whole lot more than just great valves!

More products. We offer one of the most extensive solenoid valve product lines available anywhere for virtually any application. Our products can be found dispensing gasoline in your local self-service gas station, aiding kidney patients in dialysis treatment, providing safety in transportation vehicle systems, keeping water flowing in farm irrigation systems, as well as a myriad of other applications in commercial, business, and industrial markets. And, our products are offered with competitive pricing, on-time delivery, better technical support, and premier customer service.

As an added bonus, our products meet—or exceed—the specifications and performance characteristics of our competitors' products.

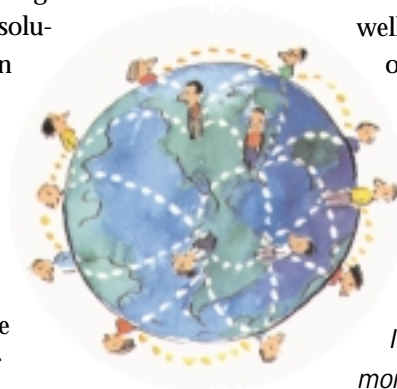
More value-added products, service, and support. With our new ParkerPlus program, we can offer you specially tailored plans to deliver individual valve products or complete fluid and motion control sub-systems.

From on-time delivery and inventory programs to value-added sub-assemblies, our ParkerPlus team will work with you to develop a program that will meet your specific production requirements.

We can evaluate and engineer a product or sub-system to give you a complete turnkey solution ready for installation into your system design. And if your sub-assembly requires products from any of our other Parker divisions throughout the world, we can easily incorporate those products into your sub-assembly while reducing your total cost.

More convenience. Since we're part of Parker Hannifin's global organization, we can also offer "One-stop-shopping" to quickly and conveniently meet all of your fluid and motion control requirements.

As the largest manufacturer of fluid and motion control products, Parker can fulfill your need for hydraulic components, valves, hoses, fittings, fluid connectors, automation components, filters, and sealing systems, as well as a host of other products that you may require.



In short, you get more from Parker's Skinner Valve Division... a company you can depend on!

Parker

We've been making great fluid control and fluid power products for a long time.

Parker Hannifin plant circa 1950.



We're not new to the business.

Parker's Skinner Valve Division has been making solenoid valves since Harry and Bess Truman were in the White House. We developed our first solenoid valve during the era when *Guys & Dolls* was Broadway's biggest hit and 'Mambo fever' was sweeping the nation.

We've had a few hits ourselves.

Our business has always been focused on providing the most innovative solenoid valve products. We were the first to come up with the latching coil. Then a solenoid valve used to actuate dampers in HVAC systems. And our patented dual-flow valve made it possible for you to pump your own gas at the filling station.



Next, we developed a proportional valve. We are the ones who introduced the modular idea to solenoid valve design. And we were first out of the gate with electronic enhancements to coils.

There's just no telling what our R&D department will come up with next.

Along the way, we attracted the attention of some of the big guns.

Parker Hannifin Corporation purchased the Skinner Valve Division in 1997. That's good for you and us, because Parker is the world's leading supplier of motion, flow, and pressure control products.

In fact, Parker offers over 1400 product lines for use in a broad spectrum of essential uses for hydraulic, pneumatic, and electromechanical applications in some 1,000 industrial and aerospace markets. In the field of fluid, motion, and pressure control, no single competitor presents a product line as broad as ours.

So, now we have both the people and the products in place to help you with virtually any application you can imagine.

We want to make you happy.

Our design engineers and technical support team are a pretty talented and tireless group. And our Sales Engineers, Customer Service Specialists, and Authorized Distributors are as hard working a bunch as you'll find anywhere. They consistently give 110% effort.

Utilizing our three manufacturing facilities, a U.S. distribution network of nearly 250 locations, and affiliates located throughout the world, we can provide you with global support wherever your business is.

As a result, many of the world's largest original equipment manufacturers use Skinner valves in their equipment and systems. We're very proud of that fact.





You want valves?

Boy, do we have valves.

If you need a high performance two-way, three-way, or four-way solenoid valve for any fluid control application, you've come to the right place. We've got proportional valves, miniature valves, micro-miniature valves, intrinsically safe valves, modular valves, an actuation series of valves, and the know-how to design any other kind of valve you might need.

We've helped practically any industry you can name...

Skinner valves are hard at work in a wide range of industries, including chemical, petrochemical, mobile, fuel dispensing, pulp and paper production, food and beverage, commercial and industrial, medical, refrigeration, and transportation to name just a few.

...in all kinds of ways.

Our products are used for a variety of applications from control valve actuators, dispensing equipment, and commercial machinery to mobile and medical equipment and control systems instrumentation.

We make good on our promises.

Every Skinner valve is 100% tested before leaving our factories and each is backed by a two-year materials and workmanship warranty.

And, we've learned a lot from hanging around some really fine distributors.

Our distributors are the cream of the crop. They know valves. And they know their customers. You can count on your Skinner valve distributor to help you specify the right valve for the job at hand.



Skinner Valve Technology

7000 Series.

Available in two-way, three-way, and four-way constructions in brass or stainless steel bodies. Each 7000 Series valve provides the ultimate in performance, versatility, and quality. And each includes standard features not found in any competitive product.

3000 Series.

When your applications require reliable performance, economy, and a compact design, Skinner 3000 Series valves are your best choice. Developed with fully interchangeable components, 3000 Series valves are user-flexible by design and available in both two-way and three-way configurations.

Intrinsically Safe Series.

These two-way, three-way, and four-way valves provide a number of significant performance advantages, including low-power consumption, low temperature rise, a wide range of sizes, and media compatibility. They are available in brass, stainless steel, anodized aluminum, and zinc alloy bodies.

K-Series.

Although small in stature, each Skinner K-Series three-way and four-way valve includes features and performance capabilities usually found only on larger, more expensive solenoid valves. They are designed to satisfy most pneumatic application requirements.

Actuation Series.

Three-way and four-way valves are designed for use in controlling pneumatic actuators used in process industries, such as chemical, petrochemical, petroleum refining, power generation, pulp and paper production, food and beverage, and oil and gas transmission.



Many of our valves are available in manifold configurations as well.

Skinner Condensed Valve Listing

Skinner Two-Way Solenoid Valves

SKINNER 7000 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types		
						Normally Closed	Normally Open	Dual Purpose
Direct-Acting General Purpose	Brass or Stainless Steel	1/8" to 1/2" NPT	To 1000 PSI	1/2" to 7/16"	0.02 to 2.5	X	X	X
Direct-Lift and Pilot Operated General Purpose	Brass or Stainless Steel	1/4" to 2" NPT	To 300 PSI	1/4" to 1-9/16"	0.76 to 38.6	X	X	X
Hot Water & Steam	Brass or Stainless Steel	1/4" to 1-1/2" NPT	To 150 PSI	13/64" to 1-1/4"	0.76 to 22.5	X	X	
High Pressure	Brass or Stainless Steel	1/8" to 1/2" NPT	To 3000 PSI	1/32" to 9/16"	0.021 to 4.1	X	X	
Anti-Water Hammer	Brass	3/8" to 2" NPT	To 230 PSI	7/16" to 1-9/16"	2.5 to 38.6	X	X	
Manual Reset	Brass or Stainless Steel	1/4" to 1-1/2" NPT	To 300 PSI	3/32" to 1-1/4"	0.18 to 22.5	X	X	
Remote Pressure-Operated	Brass	3/8" to 1" NPT	190 PSI	1/2" to 1"	11.0			X

SKINNER 3000 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Body Orifice (inches)	Sleeve Orifice (inches)	C _v Factor	
						Body	Sleeve
2-Way Normally Closed	Brass or Stainless Steel	1/8" NPT	50 to 800 PSI	1/32" to 5/32"	–	.03 to .30	–
2-Way Normally Open	Brass or Stainless Steel	1/8" NPT, #10-32 UNF	10 to 800 PSI 40 to 300 PSI	–	1/32" to 3/32"	–	.03 to .18

SKINNER B, C, LB, AND A SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types	
						Normally Closed	Normally Open
Skinner B Series							
B Series General Purpose	Stainless Steel	1/16" PTF, 1/8" NPT	25 to 400 PSI	1/32" to 1/8"	0.019 to 0.24	X	X
Skinner C Series							
C Series General Purpose	Brass or Stainless Steel	1/8" NPT	30 to 275 PSI	1/16" to 5/32"	0.01 to 0.39	X	
Skinner LB27 Series Zero Delta P							
LB27 Series	Brass	1" to 1-1/2" NPT	125 PSI	1-1/16" to 1-1/4"	13.5 to 22.5	X	
Skinner A2 Series							
A2 Series Low Pressure	Brass	1/2" NPT	15 PSI	1/2"	2.7	X	

Skinner Condensed Valve Listing continued

Skinner Three-Way Solenoid Valves

SKINNER 7000 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types			
						Normally Closed	Normally Open	Multi-Purpose	Diverting
Direct-Acting General Purpose	Brass or Stainless Steel	1/8" to 1/4" NPT and Flange Mounting	Vacuum to 580 PSI	1/32" to 1/4"	0.02 to 0.67	X	X	X	X
Pilot-Operated General Purpose	Brass	3/8" to 3/4" NPT	To 180 PSI	3/8" to 3/4"	2.1 to 7.3	X	X	X	X
Quick Exhaust	Brass or Stainless Steel	1/8", 1/4" NPT	To 250 PSI	3/64" to 1/4"	0.052 to 1.1	X			
High Pressure	Brass or Stainless Steel	1/8", 1/4" NPT	To 1100 PSI	1/32" to 1/16"	0.02 to 0.11	X		X	
Manual Reset	Brass or Stainless Steel	1/4" to 3/4" NPT	To 200 PSI	3/64" to 3/4"	0.062 to 7.3	X	X	X	
Remote Pressure-Operated	Brass	3/8" to 3/4" NPT	180 PSI	3/8" to 3/4"	2.1 to 7.3			X	

SKINNER 3000 SERIES

Valve Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Body Orifice (inches)	Sleeve Orifice (inches)	C _v Factor	
						Body	Sleeve
3-Way Normally Closed	Brass or Stainless Steel	1/8" NPT	10 to 200 PSI	1/32" to 5/32"	1/32" to 1/16"	.03 to .30	.03 to .09
3-Way Normally Open	Brass or Stainless Steel	1/8" NPT #10-32 UNF	10 to 160 PSI	1/32" to 5/32"	1/32" to 1/16"	.03 to .30	.03 to .09
3-Way Multipurpose	Brass or Stainless Steel	1/8" NPT #10-32 UNF	10 to 150 PSI	1/32" to 5/32"	1/32" to 1/16"	.03 to .30	.03 to .09
3-Way Diverting	Brass or Stainless Steel	1/8" NPT #10-32 UNF	10 to 230 PSI	1/32" to 5/32"	1/32" to 1/16"	.03 to .30	.03 to .09

SKINNER B, C, A SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types			
						Normally Closed	Normally Open	Multi-Purpose	Directional Control
Skinner B Series									
B Series General Purpose	Stainless Steel	1/16" PTF 1/8" NPT	30 to 250 PSI	1/32" to 3/32"	0.019 to 0.16	X	X	X	X
Skinner C Series									
C Series General Purpose	Brass or Stainless Steel	1/8" NPT, Adapted 1/8" PTF	30 to 175 PSI	3/64" to 1/8"	0.05 to 0.26	X	X	X	
Skinner A3 Series									
A3 Series General Purpose	Zinc	1/4" NPT body ports, 1/8" NPT sleeve port connection	75 to 250 PSI	3/32" to 5/32"	0.21 to 0.45	X	X	X	X

Skinner Four-Way Solenoid Valves

SKINNER 7000 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor
Pilot-Operated General Purpose Poppet	Aluminum Alloy or Zinc Alloy	1/8", 1/4" NPT	150 PSI	5/32" to 5/16"	0.35, 1.4
Pilot-Operated and Manually-Operated General Purpose	Aluminum	1/4" NPT	150 PSI	1/4"	1.0
Manual Reset	Aluminum	1/4"	150 PSI	1/4"	1

SKINNER V9 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types		
						Normally Closed Normally Closed	Normally Open Normally Open	Normally Open Normally Open
V9 Series General Purpose	Zinc	1/4" NPT	50 to 225 PSI	3/64" to 1/8"	0.052 to 0.21	X	X	X

Skinner Specialty Solenoid Valves

SKINNER 7000 SERIES TWO-WAY VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes PTF)	C _V Factor	Valve Types		
						Normally Closed	Normally Open	Dual Purpose
Hydraulic	Stainless Steel	1/8" NPT	1000 PSI	7/64"	0.21	X	X	
Dry Operator	Noryl, PTFE, or Stainless Steel	1/8" Male NPT, 1/4" NPT, 3/8" Bib	To 70 PSI	5/64" to 3/16"	0.16 to 0.47	X		

SKINNER 7000 SERIES THREE-WAY VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types			
						Normally Closed	Normally Open	Multi-Purpose	Diverting
Hydraulic	Stainless Steel	1/8" NPT	1000 PSI	7/64"	0.21	X	X	X	X

SKINNER DUAL FLOW VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Diameter		Cv Factor	
				Full Flow	Low Flow	Full Flow	Low Flow
Dual-Flow Dispensing	Brass	3/4" to 1-1/2"	To 50 PSI	3/4" to 1-1/4"	3/32" to 1/16"	5.5 to 21	0.17 to 0.12

SKINNER BP PROPORTIONAL VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure	Orifice Sizes (inches)	Flow Ranges	
					At Maximum Operating Pressure (SCCM)	10 PSI Example (SCCM)
BP Proportional	Stainless Steel	1/8" NPT	To 200 PSI	1/64" to 3/32"	To 80,000	To 45,000

Skinner Condensed Valve Listing continued

Skinner Intrinsicly Safe Series

Valve Type	Standard Body Material	Port Sizes	Operating Pressure Differential	Orifice Sizes	Flow Rate
Two-Way, Two-Position Valves					
2-Way Normally Closed	Brass	1/4", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2" NPTF	Up to 150 PSI	3/64", 5/8", 3/4", 1", 1-1/4", 1-9/16"; 1, 1.2 and 1.5mm	C _V : 0.04 to 39.2 SCFM: 1.25 to 1400
Three-Way, Two-Position Valves					
3-Way Normally Closed	Brass, Stainless Steel or Aluminum	1/4", 1/2" NPTF, 1" BSP, Subbase Mounting	Up to 150 PSI	3/64", 9/32", 5/8", 1", 1.2, 1.5 and 5mm	C _V : 0.04 to 11.2 SCFM: 1.25 to 390
3-Way Universal	Stainless Steel	1/4"	Up to 150 PSI	5mm	C _V : 0.5 SCFM: 24.5
Four-Way, Two-Position Valves					
4-Way, 4-Ported	Aluminum	1/4", 1/2" NPTF	Up to 150 PSI	1/4", 9/16"	C _V : 0.07 to 4 SCFM: 24 to 175
4-Way, 5-Ported	Aluminum	1" BSP	15 to 150 PSI	1"	C _V : 10.5 SCFM: 390
4-Way, 5-Ported Double Solenoid	Zamak (Zinc Alloy)	1/4" NPTF	15 to 150 PSI	5/16"	C _V : 1.4 SCFM: 54
Three-Way, Two-Position Special Purpose Valves					
3-Way, 2-Position Universal, Manual Reset	Stainless Steel	1/4" NPTF	0 to 150 PSI	5mm	C _V : 0.5 SCFM: 24.5
3-Way, 2-Position Quick Exhaust	Brass	1/4" NPTF	1.5 to 105 PSI	P: 3/32" E: 1/4"	C _V : P-0.29; E-1.1 SCFM: P-8; E-39

SKINNER A10 SERIES VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types			
						Normally Closed	Normally Open	Multi-Purpose	Directional Control
A10 Series High Pressure Hydraulic	Stainless Steel	1/8" NPT	3000 PSI	3/32"	0.15	X	X		
A10 Series High Pressure Hydraulic	Stainless Steel	1/8" NPT	1000 to 3000 PSI	3/32"	0.15	X	X		X

SKINNER MB SERIES VALVES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types	
						Normally Closed	Normally Open
MB Series	Plastic	#10-32 UNF 2B Subbase Ported 1/8" NPT Manifold	150 PSI	3/64"	.028 to .032	X	X

SKINNER V9 SERIES

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types		
						Normally Closed Normally Closed	Normally Open Normally Open	Normally Open Normally Open
A35 Series High Pressure Hydraulic	Stainless Steel	1/8" NPT	2000 PSI	0.082", 0.086"	0.12, 0.13	See catalog for details		

Skinner K-Series Valves

Valve Type	Operating Pressure Differential	C _v Factor		Watts		Valve Manifolds
		P to Cyl	Cyl to R	DC	AC	
Three-Way Microminiature Valves						
Normally Closed (K3F, K3H, K3P)	0 to 114 PSI	0.005 to 0.1	0.005 to 0.1	0.5 or 1.8	0.5 or 1.8	To 10 stations
Normally Open (K3H)	28 to 100 PSI	0.1	0.1	0.5	–	To 10 stations
Four-Way Microminiature Valves						
4-Way Pilot Operated (K4P)	21 to 114 PSI	0.02	0.02	0.5 to 1.8	0.5 to 1.8	To 10 stations

Valve Type	Operating Pressure Differential	C _v Factor	Watts	Solenoid Model	Valve Manifold
4-Way Pilot Operated (K4H)	28 to 100 PSI	0.1	0.5	Single and Double	To 10 stations
4-Way Single Solenoid Pilot Operated (K4R)	28 to 100 PSI	0.2	0.5	Single and Double	To 10 stations
4-Way Double Solenoid Pilot Operated (K4R)	28 to 100 PSI	0.2	0.5	Double	To 10 stations
4-Way Latching Single Solenoid (K4RL)	28 to 100 PSI	0.2	1.8	Single Latching	To 10 stations
4-Way Direct Acting (K4M)	0 to 120 PSI	0.04	2	Single and Double	To 10 stations
4-Way Double Solenoid 3-position (K5R)	28 to 100 PSI	0.14	0.5	Double	To 10 stations

Skinner Valve Actuation Series

Valve Type	Standard Body Material	Pipe Size	C _v Flow Factor	Operating Pressure Differential	Valve Types								
					Normally Closed	Normally Open	Multi-purpose	All-Ports-In-Body	Double Solenoid	External Pilot	Direct Mount (NAMUR)	Manual Reset	Remote Operated
7300 Line 3-Way and 4-Way Valves	Brass or Stainless Steel	1/4"	0.55 to 1.2	0 to 150 PSI	X				X	X			X
7000 Series 3-Way and 4-Way Valves	Brass, Stainless Steel or Aluminum	1/8" to 3/4"	0.52 to 7.3	0 to 215 PSI	X	X	X	X					
3300 Line 3-Way and 4-Way Valves	Anodized Aluminum	1/4"	0.55	40 to 150 PSI	X								
Intrinsically Safe 3-Way and 4-Way Valves	Brass, Stainless Steel or Aluminum	1/4"	0.04 to 1.2	0 to 150 PSI	X				X		X	X	
Ultra Low-Power 3-Way and 4-Way Valves	Brass, Stainless Steel or Aluminum	1/4"	0.04 to 4.0	0 to 150 PSI	X		X		X		X		
Manual Reset 3-Way and 4-Way Valves	Brass, Stainless Steel or Aluminum	1/4" to 3/4"	0.09 to 7.3	0 to 200 PSI			No-Voltage Release or Electrically Tripped Models						
Direct Mount (NAMUR) 3-Way and 4-Way Valves	Aluminum or Stainless Steel	1/4"	0.14 to 1.2	0 to 150 PSI	X			X	X	X	X		

Gold Ring Valve Technology

Gold Ring Two-Way, Three-Way, and Four-Way Solenoid Valves

Gold Ring solenoid valves are available in a wide variety of sizes, seal, disc, and body materials, as well as in AC or DC, ensuring that we have a standard valve to fit most applications. If a unique application requires a unique product, our technical and manufacturing experience allows us to develop the right valve for that application.

Unit valves and unit solenoids enable Gold Ring valves to offer versatility in stocking and manufacturing requirements. With the introduction of Parker's Gold Ring II™ completely encapsulated solenoid, NEMA TYPE 4X requirements can also be met with unit valves and unit solenoids.

Gold Ring Two-Way Valves

Two-way Gold Ring valves are available in a variety of Series including: Direct Acting Valves, Low Pressure Valves, Pilot Operated Valves, High Pressure Valves as well as Hot Water and Steam Valves.

Gold Ring Three-Way Valves

Three-way Gold Ring valves are available as Direct Acting, Quick Exhaust, or Pilot Operated Valves, in brass or stainless steel body constructions.

Gold Ring Four-Way Valves

Four-way, two-position, Gold Ring valves require a minimum 10 PSI operating pressure for acceptable system operation.

Gold Ring Specialty Valves

In order to meet specific application requirements, Parker has developed three types of specialty valves: Cryogenic Two-Way Valves; Vacuum Service Two-Way Valves; and Long Life-Quiet Operating Valves.

- Cryogenic Valves were developed to withstand the severe temperatures associated with controlling cryogenic fluids at temperatures to -320°F (-196°C).
- Vacuum Service Valves are designed for low, medium, and high (to 10⁻⁶ Torr) service.
- Long Life-Quiet Operating Valves are designed to extend cycle life. By eliminating metal to metal contact, wear is greatly reduced.



Gold Ring Valve Listing

Gold Ring Two-Way Solenoid Valves

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types	
						Normally Closed	Normally Open
Series 20 General Purpose	Brass or Stainless Steel	1/8" to 1/4" NPT	To 2200 PSI	3/64" to 9/32"	.06 to .96	X	X
Series 20 Low Pressure	Brass or Stainless Steel	3/8" to 3/4" NPT	To 20 PSI	5/16" to 3/4"	1.10 to 6.00	X	X
Series 22, 23, 24, 28 Pilot Operated	Brass, Stainless Steel or Bronze	3/8" to 3" NPT	To 300 PSI	5/8" to 3"	3.00 to 125	X	X
Series 25 H5 Pivoted Edge	Brass or Stainless Steel	1/4" to 1" NPT	To 300 PSI	11/32" to 1"	1.20 to 12.20	X	X
Series S Hot Water and Steam	Brass or Stainless Steel	1/4" to 1-1/2" NPT	To 125 PSI	5/32" to 1-1/2"	.52 to 22.50	X	X
Series 28, High Pressure	Brass	1/4" to 3/4" NPT	15 to 1500 PSI	5/16" to 3/4"	1.5 to 7.8	X	X

Gold Ring Three-Way Solenoid Valves

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types		
						Normally Closed	Normally Open	Universal
Series 30 General Purpose	Brass or Stainless Steel	1/8" to 1/4" NPT	To 250 PSI	3/64" to 11/64"	.06 to .35	X	X	X
Series 34 High Flow	Brass	3/8" to 3/4" NPT	10 to 250 PSI	5/8"	3.00 to 5.00	X	X	X
Series 35, 38 Quick Exhaust	Brass or Stainless Steel	1/4" to 3/8" NPT	5 to 200 PSI	1/4" to 11/32"	.20 to 1.20	X	X	X

Gold Ring Four-Way Solenoid Valves

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types		
						Normally Closed	Normally Open	Universal
Series 48 4-Way, 2-Position	Brass	1/4" NPT	10 to 150 PSI	1/16", 3/32" Inlet/Exhaust	0.09			X

Gold Ring Specialty Solenoid Valves

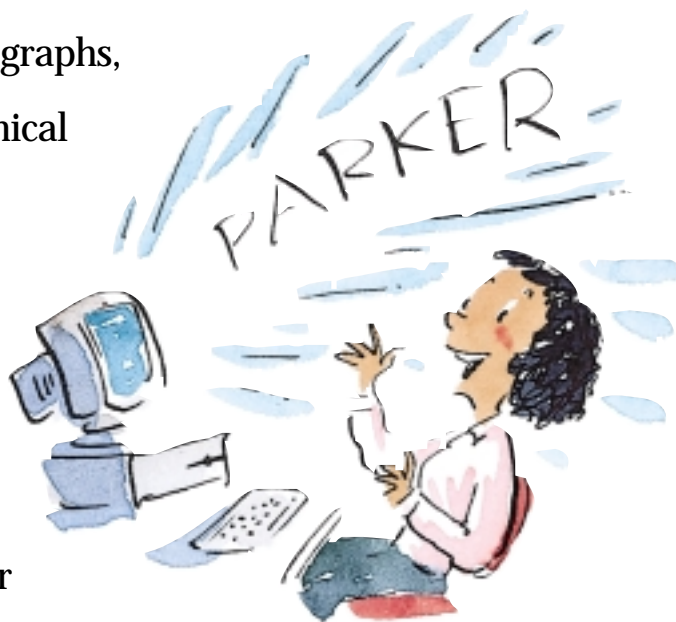
Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _V Factor	Valve Types		
						Normally Closed	Normally Open	Universal
Cryogenic Valves								
2-Way Cryogenic Service and Liquid CO ₂	Brass or Stainless Steel	1/8" to 1" NPT	To 500 PSI	1/8" to 1"	.06 to 13.5	X	X	
Vacuum Service Valves								
2-Way Low, Medium and High Vacuum Service	Brass or Stainless Steel	1/4" to 1" NPT	To 15 PSI	9/32" to 1"	.96 to 12.20	X	X	

Gold Ring Long Life-Quiet Operating Valves

Valve Application Type	Standard Body Material	Pipe Size	Maximum Operating Pressure Differential	Orifice Sizes (inches)	C _v Factor	Valve Types			
						Normally Closed	Normally Open	Universal	4-Way 2-Position
2-Way, 3-Way and 4-Way, Long Life-Quiet Operating	Brass or Stainless Steel	1/4" to 1-1/2" NPT	To 175 PSI	1/8" to 1-1/4"	.35 to 22.50	X	X	X	X

Our Full Line Is Now Online!

For a closer look at
Parker's innovative
valve technologies
including full color
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