

Hot Water & Steam Valves

Solenoid and Air-Actuated

Jackes Evans (JE®) - Low Pressure Water & Steam
Gold Ring™ - High Pressure Water & Steam
Skinner® 7000 Series - High Pressure Steam
PA Series - High Pressure Water & Steam



Customer Value Proposition:

Parker Jackes Evans (JE®) and Gold Ring™ brand water & steam solenoid valves represent the “gold standard” in diverse industrial and commercial applications.

Robust and debris-tolerant internals, including an integrated screen & strainer, and an optional stainless steel seat facilitate long life and overall system health.

A full-ported design and pivoted-edge diaphragm construction deliver high flow rates in a compact footprint with low pressure drop, and reliable leak-free performance.

The unique piston design of Parker Skinner® 7000 Series steam valves delivers long life at elevated pressures and temperatures; the “go to” solution for demanding high pressure, high flow applications.

Economical, air-piloted PA Series angle seat valves deliver excellent performance in the most demanding applications. These robust valves represent the toughest of Parker water and steam valves. Capable of managing elevated temperatures and pressures, the PTFE and 316L stainless internals are also suitable for demanding media types and slurries. They are excellent alternatives to traditional process control valves.



Product Features:

- Diaphragm, piston, and angle seat constructions available
- High-flow, full-port designs
- Low pressure drop
- Debris-tolerant, long-life design
- Compact footprint
- Simple maintenance
- SDWA-compliant lead-free brass available (solenoid valves)
- 304 and 316L stainless steel available (angle seat valves)



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Applications at a Glance

Ware Washing

Commerical Dishwashing & Drying Equipment

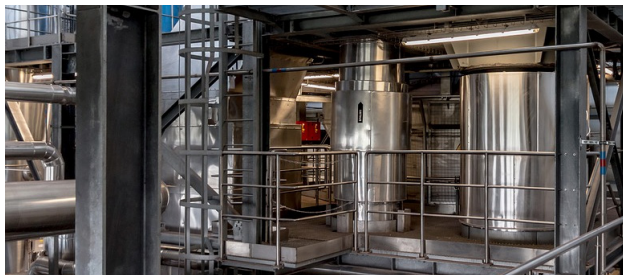


Commerical Kitchen

Cooking & Warming Equipment
Steam Tables, Steam Cookers, Steam Kettles
Food Disposals

Dry Cleaning & Laundry

Industrial Laundry Machines
Dry Cleaning Equipment
Steam Irons
Steam Presses



Industrial Equipment

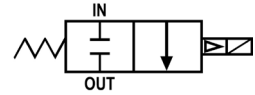
Industrial Process Control
Steam Generators
Steam Boilers

Life Sciences

Hospital Equipment
Sterilizers
Autoclaves



2-Way Normally Closed - Brass - AC



Jackes Evans (JE®), Gold Ring™, & Skinner® 7000 Series

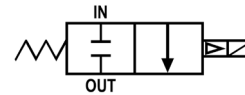
Port Size	Orifice Dia.	Flow Factor Cv	Operating Pressure Differential (MOPD) psi			Power Watts	Max. Media Temp. °F	Seal Materials*	Model	Ordering No.	Electrical Chart
			Min.	Water	Steam						
3/8	1/2	3.00	1	235	-	11	216	EPDM	Gold Ring	06F25CL332ACH ^{LF}	4H
3/8	1/2	3.35	1	150	-	9	225	NBR, FKM, NBR	GP300	70392	JA
3/8	1/2	3.35	1	150	10	9	240	PTFE, FKM, EPDM	GP307	70393	JA
3/8	1/2	3.35	1	150	10	9	240	PTFE, EPDM, EPDM	GP327	70404	JA
3/8	1/2	3.35	1	150	50	9	300	EPDM	GP357	70394	JA
3/8	1/2	3.00	1	-	125	11	353	PTFE	Gold Ring	06FS5C2432ACH	4H
3/8	1/2	3.00	1	-	125	11	353	PTFE	Gold Ring	06FS5CL432ACH ^{LF}	4H
3/8	5/8	3.00	5	-	125	10	353	PTFE	Skinner	73218BN3TTSO	7F
3/8	1/2	3.00	1	-	50	11	300	EPDM	Gold Ring	06FS5C2332ACF	4F
AC											
1/2	1/2	3.60	1	235	-	11	216	EPDM	Gold Ring	08F25CL332ACH ^{LF}	4H
1/2	1/2	3.35	1	150	-	9	225	NBR, FKM, NBR	GP400	70562	JA
1/2	1/2	3.35	1	150	10	9	240	PTFE, FKM, EPDM	GP407	70563	JA
1/2	1/2	3.35	1	150	10	9	240	PTFE, EPDM, EPDM	GP427	70586	JA
1/2	1/2	3.35	1	150	50	9	300	EPDM	GP457	70564	JA
1/2	1/2	3.60	1	-	125	11	353	PTFE	Gold Ring	08FS5C2432ACH	4H
1/2	1/2	3.60	1	-	125	11	353	PTFE	Gold Ring	08FS5CL432ACH ^{LF}	4H
1/2	5/8	4.00	5	-	125	11	353	PTFE	Skinner	73218BN4UTSO	7F
1/2	1/2	3.60	1	-	50	11	300	EPDM	Gold Ring	08FS5C2332ACF	4F
3/4	3/4	7.40	1	235	-	11	216	EPDM	Gold Ring	12F25CL348ACH ^{LF}	4H
3/4	3/4	7.40	1	150	-	9	225	NBR, FKM, NBR	GP600	70712	JA
3/4	3/4	7.40	1	150	10	9	240	PTFE, FKM, EPDM	GP607	70713	JA
3/4	3/4	7.40	1	150	10	9	240	PTFE, EPDM, EPDM	GP627	70742	JA
3/4	3/4	7.40	1	150	50	9	300	EPDM	GP657	70714	JA
3/4	3/4	4.50	5	-	125	11	353	PTFE	Skinner	73218BN5VTSO	7F
3/4	3/4	7.40	1	-	125	11	353	PTFE	Gold Ring	12FS5C2448ACH	4H
3/4	3/4	7.40	1	-	125	11	353	PTFE	Gold Ring	12FS5CL448ACH ^{LF}	4H
3/4	3/4	7.40	1	-	50	11	300	EPDM	Gold Ring	12FS5C2348ACF	4F
1	1	12.20	1	300	-	11	216	EPDM	Gold Ring	16F25CL364ACH ^{LF}	4H
1	1	12.20	1	150	10	9	240	PTFE, FKM, EPDM	GP1007	70808	JA
1	1	12.20	1	150	50	9	300	EPDM	GP1057	70777	JA
1	1	12.20	1	150	50	11	300	EPDM	Gold Ring	16FS5C2364ACF	4F
1	1	12.20	1	-	125	11	353	PTFE	Gold Ring	16FS5C2464ACH	4H
1	1	12.20	1	-	125	11	353	PTFE	Gold Ring	16FS5CL464ACH ^{LF}	4H
1	1-1/16	13.50	5	-	125	10	353	PTFE	Skinner	73218BN64TSO	7F

Max. Ambient Temp. 167°F 11 watt (Hot Water Only - Chart 4H), 150°F 10 watt, 131°F 11 watt (Chart 4F, 4H), 120°F 9 watt

* Order of seal material listings where relevant: Diaphragm, Plunger Seal, Tetra Seal

^{LF} SDWA-compliant lead-free brass construction

2-Way Normally Closed - Brass - DC



Jackes Evans (JE®) & Gold Ring™

Port Size	Orifice Dia.	Flow Factor Cv	Operating Pressure Differential (MOPD) psi		Power Watts	Max. Media Temp. °F	Seal Materials*	Model	Ordering No.	Electrical Chart		
			Min.	Water							Steam	
NPT	Inch								Pressure Vessel	Solenoid Coil		
3/8	1/2	3.35	1	150	-	14	225	NBR, FKM, NBR	GP300	70392	JD	
3/8	1/2	3.35	1	150	10	14	240	PTFE, FKM, EPDM	GP307	70393	JD	
3/8	1/2	3.35	1	150	10	14	240	PTFE, EPDM, EPDM	GP327	70404	JD	
3/8	1/2	3.35	1	150	50	14	300	EPDM	GP357	70394	JD	
3/8	1/2	3.00	1	130	-	11.5	150	EPDM	Gold Ring	06F25CL332A3F ^{LF}	6F	
1/2	1/2	3.35	1	150	-	14	225	NBR, FKM, NBR	GP400	70562	JD	
1/2	1/2	3.35	1	150	10	14	240	PTFE, FKM, EPDM	GP407	70563	JD	
1/2	1/2	3.35	1	150	10	14	240	PTFE, EPDM, EPDM	GP427	70586	JD	
1/2	1/2	3.35	1	150	50	14	300	EPDM	GP457	70564	JD	
DC	1/2	1/2	3.60	1	130	-	11.5	180	EPDM	Gold Ring	08F25CL332A3F ^{LF}	6F
3/4	3/4	7.40	1	150	-	14	225	NBR, FKM, NBR	GP600	70712	JD	
3/4	3/4	7.40	1	150	10	14	240	PTFE, FKM, EPDM	GP607	70713	JD	
3/4	3/4	7.40	1	150	10	14	240	PTFE, EPDM, EPDM	GP627	70742	JD	
3/4	3/4	7.40	1	150	50	14	300	EPDM	GP657	70714	JD	
3/4	3/4	7.40	1	70	-	11.5	150	EPDM	Gold Ring	12F25CL348A3F ^{LF}	6F	
1	1	12.20	1	275	-	11.5	180	EPDM	Gold Ring	16F25CL364A3F ^{LF}	6F	
1	1	12.20	1	150	10	14	240	PTFE, FKM, EPDM	GP1007	70808	JD	
1	1	12.20	1	150	50	14	300	EPDM	GP1057	70777	JD	

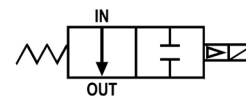
Max. Ambient Temp. 77°F 11.5 watt, 120°F 14 watt

* Order of seal material listings where relevant: Diaphragm, Plunger Seal, Tetra Seal

^{LF} SDWA-compliant lead-free brass construction



2-Way Normally Open - Brass

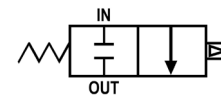


Gold Ring™ & Skinner® 7000 Series

Port Size	Orifice Dia.	Flow Factor Cv	Operating Pressure Differential (MOPD) psi			Power Watts	Max. Media Temp. °F	Seal Materials	Model	Ordering No.	Electrical Chart	
			Min.	Water	Steam						Pressure Vessel	Solenoid Coil
AC	3/8	1/2	3.00	1	175	-	11	216	EPDM	Gold Ring	06F250L332ACH ^{LF}	4H
	1/2	1/2	3.60	1	175	-	11	216	EPDM	Gold Ring	08F250L332ACH ^{LF}	4H
	1/2	1/2	3.60	1	-	125	11	353	PTFE	Gold Ring	08FS502432ACH	4H
	1/2	5/8	4.00	5	-	125	10	353	PTFE	Skinner	73228BN4UTS0	7F
	3/4	3/4	7.40	1	275	-	11	216	EPDM	Gold Ring	12FS50L348ACH ^{LF}	4H
	3/4	3/4	7.40	1	-	125	11	353	PTFE	Gold Ring	12FS502448ACH	4H
	3/4	3/4	7.50	5	-	125	10	353	PTFE	Skinner	73228BN52TS0	7F
	1	1	12.20	1	250	-	11	216	EPDM	Gold Ring	16FS50L364ACH ^{LF}	4H
	1	1	13.50	5	-	125	10	353	PTFE	Skinner	73228BN64TS0	7F
	Max. Ambient Temp. 150°F 10 watt, 167°F 11 watt ^{LF} SDWA-compliant lead-free brass construction											
DC	3/8	1/2	3.00	1	175	-	11.5	216	EPDM	Gold Ring	06F250L332A3H ^{LF}	6H
	1/2	1/2	3.60	1	175	-	11.5	216	EPDM	Gold Ring	08F250L332A3H ^{LF}	6H
	3/4	3/4	7.40	1	200	-	11.5	216	EPDM	Gold Ring	12FS50L348A3H ^{LF}	6H
	1	1	12.20	1	125	-	11.5	216	EPDM	Gold Ring	16FS50L364A3H ^{LF}	6H
	Max. Ambient Temp. 77°F ^{LF} SDWA-compliant lead-free brass construction											



2-Way Normally Closed - St. Steel



PA Series Angle Seat Valves - Air, Inert Gas, Steam

Port Size	Orifice Dia.	Flow Factor	Actuator Port Size	Actuator Pilot Pressure	Operating Pressure Differential (MOPD) psi			Max. Media Temp.	Body Material St. Steel	Seal Materials	Ordering No.
					Min.	Air, Inert Gas	Steam				
NPT	Inch	Cv	BSP	Min.	Min.			°F			Pressure Vessel
3/8	3/8	5.5	G 1/8	65 - 87	0	232	130	356	316L	PTFE	PA10C1N3R032S
1/2	1/2	5.5	G 1/8	44	0	232	130	356	304	PTFE	PA15S1N4S050A
3/4	3/4	10.5	G 1/8	44 - 58	0	232	130	356	304	PTFE	PA20S1N5S050A
1	1	18.7	G 1/8	44 - 58	0	232	130	356	304	PTFE	PA25S1N6S063A

Max. Ambient Temp. 140°F These valves may be piloted by 3/2 Normally Closed valves. See Banjo valves option on subsequent page

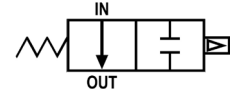
Angle Seat Valves - Anti-Water Hammer - Air, Inert Gas, Liquids

Port Size	Orifice Dia.	Flow Factor	Actuator Port Size	Actuator Pilot Pressure	Operating Pressure Differential (MOPD) psi			Max. Media Temp.	Body Material St. Steel	Seal Materials	Ordering No.
					Min.	Air, Inert Gas, & Liquids	°F				
NPT	Inch	Cv	BSP	Min.	Min.			°F			Pressure Vessel
3/8	3/8	5.5	G 1/8	73 - 87	0	232	356	316L	PTFE	PA10SAN3R050S	
1/2	1/2	5.5	G 1/8	66	0	232	356	304	PTFE	PA15SAN4S050A	
3/4	3/4	10.5	G 1/8	66	0	145	356	304	PTFE	PA20S1N5S050A	
1	1	18.7	G 1/8	66	0	116	356	304	PTFE	PA25S1N6S063A	

Max. Ambient Temp. 140°F These valves may be piloted by 3/2 Normally Closed valves. See Banjo valves option on subsequent page



2-Way Normally Open - St. Steel

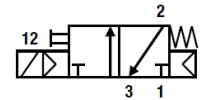


PA Series Angle Seat Valves - Air, Inert Gas, Steam, & Liquids

Port Size	Orifice Dia.	Flow Factor	Actuator Port Size	Actuator Pilot Pressure	Operating Pressure Differential (MOPD) psi			Max. Media Temp.	Body Material St. Steel	Seal Materials	Ordering No.
NPT	Inch	Cv	BSP	Min.	Min.	Air, Inert Gas, & Liquids	Steam	°F			Pressure Vessel
3/8	3/8	5.5	G 1/8	50.8	0	232	130	356	304	PTFE	PA10S3N3S050A
1/2	1/2	5.5	G 1/8	50.8	0	232	130	356	304	PTFE	PA15S3N4S050A
3/4	3/4	11.1	G 1/8	50.8	0	232	130	356	304	PTFE	PA20S3N5S050A
1	1	18.7	G 1/8	65.3	0	232	130	356	304	PTFE	PA25S3N6S063A

Max. Ambient Temp. 140°F These valves may be piloted by 3/2 Normally Closed valves. See Banjo valves option below

3-Way Normally Closed - Banjo



Pilot Valves for Angle Seat Valves - Aluminum

Port Size	Orifice Dia.	Flow Factor Cv		Actuator Port Size	Operating Pressure Differential (MOPD) psi			Power	Max. Media Temp.	Seal Materials	Ordering No.
NPT	Inch	PRS	EXH	BSP	Min.	Air, Inert Gas	Watts	°F		Valve Assembly	
AC 1/8	1.6	0.05	0.05	G 1/8	0	150	8.1	185	FKM	U131B01NDAx	
DC 1/8	1.6	0.05	0.05	G 1/8	0	150	5.9	185	FKM	U131B01NDAx	

x = significant digit for voltage: A = 12 VDC B = 24 VDC E = 24/60 F = 120/60,110/50 G = 240/60,220/50
Max. Ambient Temp. 122°F



Solenoid Coils

Chart JE: Jackes Evans (JE®)

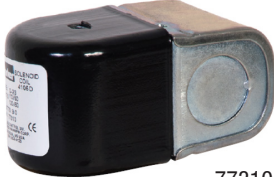




Chart JA	Ordering No.	Voltage	Electrical Termination
 <p>77310</p>	77310	120/60, 110/50	Junction Box w/ 6" Leads (2)
	73144	120/60, 110/50	Junction Box w/ 48" Leads (2)
	73178	120/60, 110/50	Junction Box w/ 36" Leads (2)
	77320	240/60, 208/50	Junction Box w/ 6" Leads (2)
 <p>77360</p>	77360	240/60, 120/60	Multi-Volt, Junction Box w/ 6" Leads (4)
	77300	24/50-60	Junction Box w/ 6" Leads (2)
	77370	12/60	Junction Box w/ 6" Leads (2)
 <p>77317</p>	77311	120/60, 110/50	1/2" NPT Conduit w/ 24" Leads (2)
	77312	120/60, 110/50	1/2" NPT Conduit w/ 36" Leads (2)
	77317	120/60, 110/50	1/2" NPT Conduit w/ 49" Leads (2)
	73132	120/60, 110/50	Open Frame w/ Tab/ Spade Terminals
 <p>73136</p>	73136	120/60, 110/50	Large Junction Box w/ Tab/ Spade Terminals
	73159	24/50-60	Large Junction Box w/ Tab/ Spade Terminals
	73142	240/60, 208/50	Large Junction Box w/ Tab/ Spade Terminals

Chart JD: Jackes Evans (JE®)

Chart JD	Ordering No.	Voltage	Electrical Termination
	75520	12 VDC	Open Frame Junction Box w/ 6" Leads (2)
	75530	24 VDC	Open Frame Junction Box w/ 6" Leads (2)

Solenoid Coils

Chart 4F: Gold Ring™






Chart 4F	Ordering No.	Voltage	Electrical Termination
	CF4C01	24/60	1/2" NPT Conduit w/ 18" Leads (3)
	CF4C05	120/60, 110/50	1/2" NPT Conduit w/ 18" Leads (3)
	CF4C15	240/60, 220/50	1/2" NPT Conduit w/ 18" Leads (3)
	CFPH01	24/60	DIN 43650A / ISO 4400
	CFPH05	120/60, 110/50	DIN 43650A / ISO 4400
	CFPH15	240/60, 220/50	DIN 43650A / ISO 4400
	CFSB01	24/60	Splice Box w/ 6" Leads (2)
	CFSB05	120/60, 110/50	Splice Box w/ 6" Leads (2)
	CFSB15	240/60, 220/50	Splice Box w/ 6" Leads (2)

Chart 4H: Gold Ring™ (Class H - High Temp.)

Chart 4H	Ordering No.	Voltage	Electrical Termination
	CH4C01	24/60	1/2" NPT Conduit w/ 18" Leads (3)
	CH4C05	120/60, 110/50	1/2" NPT Conduit w/ 18" Leads (3)
	CH4C15	240/60, 220/50	1/2" NPT Conduit w/ 18" Leads (3)
	CHPH01	24/60	DIN 43650A / ISO 4400
	CHPH05	120/60, 110/50	DIN 43650A / ISO 4400
	CHPH15	240/60, 220/50	DIN 43650A / ISO 4400
	CHSB01	24/60	Splice Box w/ 6" Leads (2)
	CHSB05	120/60, 110/50	Splice Box w/ 6" Leads (2)
	CHSB15	240/60, 220/50	Splice Box w/ 6" Leads (2)

Solenoid Coils

Chart 6F: Gold Ring™





Chart 6F	Ordering No.	Voltage	Electrical Termination
	3F4C75	12 VDC	1/2" NPT Conduit w/ 18" Leads (3)
	3F4C80	24 VDC	1/2" NPT Conduit w/ 18" Leads (3)
	3FPH75	12 VDC	DIN 43650A / ISO 4400
	3FPH80	24 VDC	DIN 43650A / ISO 4400
	3FSB75	12 VDC	Splice Box w/ 6" Leads (2)
	3FSB80	24 VDC	Splice Box w/ 6" Leads (2)

Chart 7F: Skinner® 7000

Chart 7F	Ordering No.	Voltage	Electrical Termination
	C111B2	24/60	1/2" NPT Conduit w/ 18" Leads (2)
	C111P3	120/60, 110/50	1/2" NPT Conduit w/ 18" Leads (2)
	C111Q3	240/60, 220/50	1/2" NPT Conduit w/ 18" Leads (2)
	D100B2	24/60	DIN 43650A / ISO 4400
	D100P3	120/60, 110/50	DIN 43650A / ISO 4400
	D100Q3	240/60, 220/50	DIN 43650A / ISO 4400
	L111B2	24/60	18" Leads (2)
	L111P3	120/60, 110/50	18" Leads (2)
	L111Q3	240/60, 220/50	18" Leads (2)

