

This publication is intended as a reference guide to assist customers in identifying replacement parts for some common valves. (Many special application valves are not included in this document.) Because some valves may have been modified in the field, replacement part numbers should always be confirmed by a Phillips representative using the valve serial number. Valve components for new applications should always be determined with the appropriate Phillips Engineering Bulletin, or with the assistance of a Phillips representative.

ALWAYS CHECK THE VALVE NAMEPLATE FOR THE COMPLETE VALVE MODEL AND SERIAL NUMBER.

101 SERIES FLOAT VALVES

Includes

101	101A	101AB
101B	101CPS	101VP18, VP26

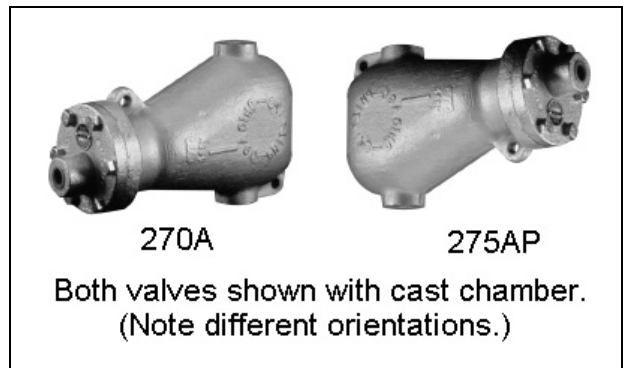


101A	F	-M	L	Z
Base Valve Model				
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon				
ORIFICE				
B = 5/64"	M = 1/4"			
C = 3/32"	O = 5/16"			
E = 7/64"	P = 3/8"			
F = 1/8"	Q = 13/32"			
G = 9/64"	R = 7/16"			
H = 5/32"	S = 1/2"			
I = 3/16"				
ORIENTATION				
L = Flow arrow points left R = Flow arrow points right				
CHAMBER				
B = Welded Steel Chamber Z = No Chamber				

270 SERIES FLOAT VALVES

Includes

270A	270AX	270AY
270AZ, AZAZ	275AF	275AP



270AX	F	-J	Z	B
Base Valve Model				
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon P = Propane				
ORIFICE				
A = 1/16"	K = 7/32"			
B = 5/64"	L = 15/64"			
C = 3/32"	M = 1/4"			
D = 3/32D	N = 9/32"			
E = 7/64"	O = 5/16"			
F = 1/8"	P = 3/8"			
G = 9/64"				
H = 5/32"	Z, Z9 = Special, Consult Factory			
I = 3/16"				
J = 13/64"				
(PLACE HOLDER)				
CHAMBER				
A = Cast Chamber B = Welded Steel Chamber Z = No Chamber				

300 SERIES FLOAT VALVES

Includes

300A	300H	300AM
300HM	301A	301D
301E	301J	301K



300HM	F	-J	Z	B
Base Valve Model				
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon P = Propane				
ORIFICE				
B = 5/64"	I = 3/16"			
C = 3/32"	J = 13/64"			
D = 3/32D	K = 7/32"			
E = 7/64"	L = 15/64"			
F = 1/8"	M = 1/4"			
G = 9/64"	N = 9/32"			
H = 5/32"				
(PLACE HOLDER)				
CHAMBER B = Welded Steel Chamber Z = No Chamber				

700X SERIES PISTON-TYPE CHECK VALVES

Includes

700A	700AX	700B
700BX	700JR	700X



700AX	10	-Q	M
Base Valve Model			
CRACKING PRESSURE (BLANK) = 2PSID			
2 = 2 PSID	50 = 50 PSID		
5 = 5 PSID	60 = 60 PSID		
10 = 10 PSID	70 = 70 PSID		
20 = 20 PSID	90 = 90 PSID		
35 = 35 PSID			
SPRING			
B = 705-1L	S = 705A-60L		
C = 705-5L	T = 705A-110L		
D = 705-10L	V = 705A-165L		
E = 705-20L	A3 = 705B-3L		
F = 705-35L	A4 = 705B-10L		
I = 705-60L	A6 = 705B-30L		
K = 705-90L	A7 = 705B-60L		
M = 705-130L	A8 = 705B-100L		
O = 705A-2L	A9 = 705B-160L		
P = 705A-10L	C8 = 705-50L		
Q = 705A-20L	C9 = 705-70L		
R = 705A-30L			
FLANGES			
A=1/2" FPT	J=1-1/4" SOC	S=2" WN	
B=1/2" SOC	K=1-1/4" WN	T=2-1/8" ODC	
C=3/4" FPT	L=1-1/2" FPT	U=3" FPT	
D=3/4" SOC	M=1-1/2" SOC	V=3" SOC	
E=1" FPT	N=1-1/2" WN	W=3" WN	
F=1" SOC	O=1-3/8" ODC	X=3-1/8" ODC	
G=1" WN	P=1-5/8" ODC	Y=4" SOC	
H=1-1/8" ODC	Q=2" FPT	Z=NONE	
I=1-1/4" FPT	R=2" SOC	Z9=SPECIAL	

600 SERIES IN-LINE CHECK VALVES

Includes

600AJ	600AK, AKS	600BJ, BJS
600D2	600D3	600DJ, DJS
600J	600JR	600K, KS



600AK	S	-Z	M
Base Valve Model			
SPRING (BLANK) = Standard Spring S = Heavy Spring (Not Suitable For Gravity Drain)			
(PLACE HOLDER)			
FLANGES			
A=1/2" FPT	J=1-1/4" SOC	S=2" WN	
B=1/2" SOC	K=1-1/4" WN	T=2-1/8" ODC	
C=3/4" FPT	L=1-1/2" FPT	U=3" FPT	
D=3/4" SOC	M=1-1/2" SOC	V=3" SOC	
E=1" FPT	N=1-1/2" WN	W=3" WN	
F=1" SOC	O=1-3/8" ODC	X=3-1/8" ODC	
G=1" WN	P=1-5/8" ODC	Y=4" SOC	
H=1-1/8" ODC	Q=2" FPT	Z=NONE	
I=1-1/4" FPT	R=2" SOC	Z9=SPECIAL	

700S SERIES GAS POWERED CHECK VALVES

Includes
700AXS

700BXS

700JRS

700XS



700S

700BXS	F	-Z	Z
Base Valve Model			
REFRIGERANT (BLANK) = Ammonia F = Halocarbon			
(PLACE HOLDER)			
FLANGES			
A=1/2" FPT	J=1-1/4" SOC	S=2" WN	
B=1/2" SOC	K=1-1/4" WN	T=2-1/8" ODC	
C=3/4" FPT	L=1-1/2" FPT	U=3" FPT	
D=3/4" SOC	M=1-1/2" SOC	V=3" SOC	
E=1" FPT	N=1-1/2" WN	W=3" WN	
F=1" SOC	O=1-3/8" ODC	X=3-1/8" ODC	
G=1" WN	P=1-5/8" ODC	Y=4" SOC	
H=1-1/8" ODC	Q=2" FPT	Z=NONE	
I=1-1/4" FPT	R=2" SOC	Z9=SPECIAL	

700T SERIES THREE-WAY CHECK VALVES

Includes
700XT

700AXT

700BXT



700T

700AXT	-Z	R
Base Valve Model		
(PLACE HOLDER)		
FLANGES		
A=1/2" FPT	J=1-1/4" SOC	S=2" WN
B=1/2" SOC	K=1-1/4" WN	T=2-1/8" ODC
C=3/4" FPT	L=1-1/2" FPT	U=3" FPT
D=3/4" SOC	M=1-1/2" SOC	V=3" SOC
E=1" FPT	N=1-1/2" WN	W=3" WN
F=1" SOC	O=1-3/8" ODC	X=3-1/8" ODC
G=1" WN	P=1-5/8" ODC	Y=4" SOC
H=1-1/8" ODC	Q=2" FPT	Z=NONE
I=1-1/4" FPT	R=2" SOC	Z9=SPECIAL

700H SERIES PILOT CONTROLLED VALVES

High Side, Includes
700JRH

700XH

700AXH

700BXH



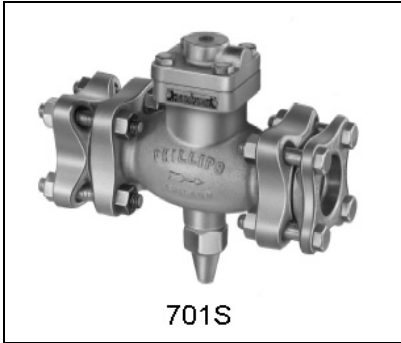
700H

700AXH	F	-Z	B	D	M	A
Base Valve Model						
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon						
(PLACE HOLDER)						
SPRING						
B = 705-1L	Q = 705A-20L					
C = 705-5L	R = 705A-30L					
D = 705-10L	S = 705A-60L					
E = 705-20L	T = 705A-110L					
F = 705-35L	A3 = 705B-3L					
G = 705-35R	A4 = 705B-10L					
I = 705-60L	A6 = 705B-30L					
J = 705-60R	A7 = 705B-60L					
O = 705A-2L	A8 = 705B-100L					
P = 705A-10L	A9 = 705B-160L					
METERING PLUG						
A = "ZERO"	F = #8	K = #30				
B = #1	G = #10	L = #45				
C = #2	H = #15	M = #60				
D = #3	I = #20	Z9 =SPECIAL				
E = #5	J = #25					
FLANGES						
A=1/2" FPT	H=1-1/8" ODC	Q=2" FPT				
B=1/2" SOC	I=1-1/4" FPT	R=2" SOC				
C=3/4" FPT	J=1-1/4" SOC	S=2" WN				
D=3/4" SOC	K=1-1/4" WN	T=2-1/8" ODC				
E=1" FPT	L=1-1/2" FPT	U=3" FPT				
F=1" SOC	M=1-1/2" SOC	V=3" SOC				
G=1" WN	N=1-1/2" WN	W=3" WN				
	O=1-3/8" ODC	X=3-1/8" ODC				
	P=1-5/8" ODC	Z=NONE				
STRAINER						
A = Strainer Included						
Z = No Strainer						

701S SERIES PILOT CONTROLLED VALVES

Low Side, Includes

701JRS 701S 701AS
701BS 701BXS



3000 SERIES THREE-WAY SOLENOID VALVES

Includes

3000 3000A 3000B
3000AN 3000N



701AS	F	-V	P	A1	R	A
Base Valve Model						
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon						
ORIFICE						
P = 3/8"		X = 1-1/4"				
T = 9/16"		OR SPECIAL				
U = 5/8"		Z = 1-9/16"				
V = 23/32"		OR SPECIAL				
W = 7/8"						
SPRING						
B = 705-1L		Q = 705A-20L				
C = 705-5L		R = 705A-30L				
D = 705-10L		S = 705A-60L				
E = 705-20L		T = 705A-110L				
F = 705-35L		V = 705A-165L				
G = 705-35R		A3 = 705B-3L				
I = 705-60L		A4 = 705B-10L				
J = 705-60R		A6 = 705B-30L				
K = 705-90L		A7 = 705B-60L				
O = 705A-2L		A8 = 705B-100L				
P = 705A-10L		A9 = 705B-160L				
METERING PLUG						
M = 60	T = 445.32	Z9 = SPECIAL				
N = 230.25	U = 445.38	A2 = 845.40				
O = 245.25	V = 445.43	A3 = 845.50				
P = 245.32	W = 445.50	A4 = 1045.50				
Q = 245.50	X = 645.50	A6 = 245.38				
R = 430.25	Y = 845.25					
S = 445.25	A1 = 845.32					
FLANGES						
A=1/2" FPT		H=1-1/8" ODC		Q=2" FPT		
B=1/2" SOC		I=1-1/4" FPT		R=2" SOC		
C=3/4" FPT		J=1-1/4" SOC		S=2" WN		
D=3/4" SOC		K=1-1/4" WN		T=2-1/8" ODC		
E=1" FPT		L=1-1/2" FPT		U=3" FPT		
F=1" SOC		M=1-1/2" SOC		V=3" SOC		
G=1" WN		N=1-1/2" WN		W=3" WN		
		O=1-3/8" ODC		X=3-1/8" ODC		
		P=1-5/8" ODC		Z=NONE		
				Z9=SPECIAL		
STRAINER						
A = Strainer Included						
Z = No Strainer						

3000AN	-120
Base Valve Model	
REFRIGERANT (BLANK) = Ammonia F = Halocarbon	
COIL VOLTAGE 120 = 120 Volt/60 Hz Coil 240 = 240 Volt/60 Hz Coil	

700AP SERIES INTERRUPTING VALVES

Includes

700AP 700BP

700BP	-Z	V
Base Valve Model		
(PLACE HOLDER)		
FLANGES		
A=1/2" FPT	J=1-1/4" SOC	S=2" WN
B=1/2" SOC	K=1-1/4" WN	T=2-1/8" ODC
C=3/4" FPT	L=1-1/2" FPT	U=3" FPT
D=3/4" SOC	M=1-1/2" SOC	V=3" SOC
E=1" FPT	N=1-1/2" WN	W=3" WN
F=1" SOC	O=1-3/8" ODC	X=3-1/8" ODC
G=1" WN	P=1-5/8" ODC	Y=4" SOC
H=1-1/8" ODC	Q=2" FPT	Z=NONE
I=1-1/4" FPT	R=2" SOC	Z9=SPECIAL

2000 SERIES INJECTORS

Includes

2020SL	2075WCB	2100SL
2100SLD	2100WCB	2100WCBA
2125WA	2150WA	2250WA



2100SLD		-B	T	E
Base Valve Model				
NOZZLE				
A=#1	M=#54	Y=#46		
B=#7	N=#56	Z=NONE		
C=#16	O=#59	Z9=SPECIAL		
D=#23	P=#64	A1=#47		
E=#29	Q=#67	A2=#70		
F=#31	R=3/16"	A3=11/64"		
G=#36	S=7/32"	A4=9/64"		
H=#40	T=1/4"	A5=11/32"		
I=#44	U=9/32"	A6=15/32"		
J=#48	V=5/16"	A7=13/32"		
K=#50	W=3/8"			
L=#52	X=7/16"			
THROAT/DISTRIBUTOR				
A=3/16"	M=6-3-8	X=11-8-12		
B=1/4"	N=11-6-7	Y=11-8-11		
C=5/16"	O=11-6-8	Z=NONE		
D=3/8"	P=11-6-9	Z9=SPECIAL		
E=1/2"	Q=11-8-5	A1=13-8-9		
F=5/8"	R=11-8-6	A2=7-4-8		
G=3/4"	S=11-8-7	A3=7-5-4		
H=1"	T=13-8-8	A4=11-8-4		
I=1-1/4"	U=11-8-9	A5=13-8-12		
J=1-1/2"	V=13-8-10			
K=1-3/4"	W=13-8-11			
INLET				
A=3/8" FPT	D=1" FPT	G=1-1/8" ODC		
B=1/2" FPT	E=5/8" ODC	J=1" SOCKET		
C=3/4" FPT	F=7/8" ODC	K=3/8" ODC		

ALWAYS CHECK THE VALVE NAMEPLATE FOR THE COMPLETE VALVE MODEL AND SERIAL NUMBER.

H. A. Phillips & Co.

1612 Louise Drive • South Elgin, IL 60177 • U.S.A.
 Phone: (630) 377-0050 • Fax: (630) 377-2706
 E-mail: info@haphillips.com, or visit us at www.haphillips.com

MEMBER



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