

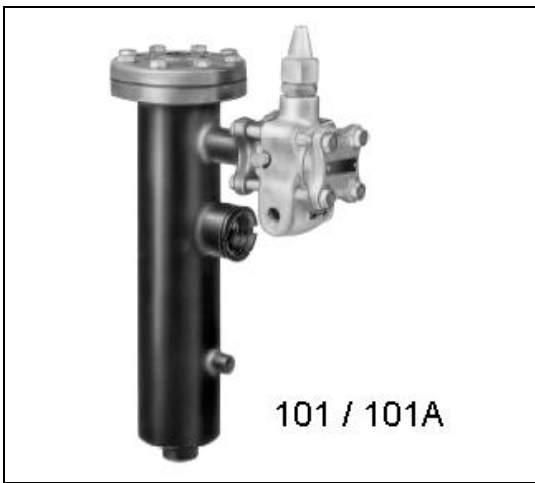
This publication is intended as a reference guide to assist customers in identifying replacement parts for some common valves. (Many special application valves are not included in this document.) Because some valves may have been modified in the field, replacement part numbers should always be confirmed 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

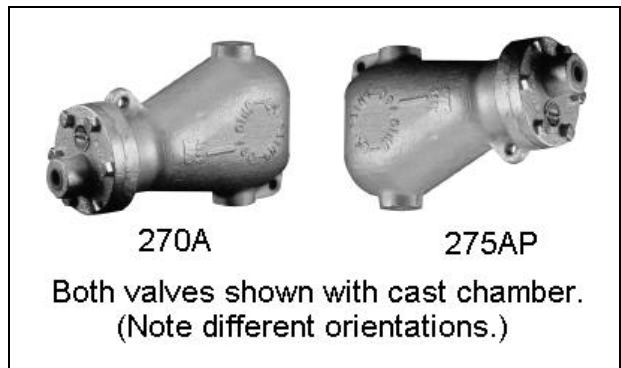


101A	F	-M	L	Z
<b>Base Valve Model</b>				
<b>REFRIGERANT TYPE</b> (BLANK) = Ammonia F = Halocarbon				
<b>ORIFICE</b>				
B = 5/64"	M = 1/4"			
C = 3/32"	O = 5/16"			
E = 7/64"	P = 3/8"			
F = 1/8"	R = 7/16"			
G = 9/64"	S = 1/2"			
H = 5/32"	U = 5/8"			
I = 3/16"				
<b>ORIENTATION</b>				
L = Left Hand Flow				
R = Right Hand Flow				
<b>CHAMBER</b>				
B = Welded Steel Chamber				
Z = No Chamber				

**270 SERIES FLOAT VALVES**

Includes

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



270AX	F	-J	Z	B
<b>Base Valve Model</b>				
<b>REFRIGERANT TYPE</b> (BLANK) = Ammonia F = Halocarbon P = Propane				
<b>ORIFICE</b>				
A = 1/16"	I = 3/16"			
B = 5/64"	J = 13/64"			
C = 3/32"	L = 15/64"			
D = 3/32D	P = 3/8"			
F = 1/8"				
<b>(PLACE HOLDER)</b>				
<b>CHAMBER</b>				
A = Cast Iron Chamber				
B = Welded Steel Chamber				
Z = No Chamber				

### 300 SERIES FLOAT VALVES

Includes

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



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

### 700X SERIES PISTON-TYPE CHECK VALVES

Includes

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



<b>700AX</b>	<b>10</b>	<b>-Q</b>	<b>M</b>
<b>Base Valve Model</b>			
<b>CRACKING PRESSURE</b> (BLANK) = 2 PSID 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			
<b>SPRING</b> 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			
<b>FLANGES</b> A=1/2" FPT      J=1-1/4" SW      S=2" WN B=1/2" SW        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" SW        M=1-1/2" SW      V=3" SW E=1" FPT          N=1-1/2" WN      W=3" WN F=1" SW           O=1-3/8" ODC     X=3-1/8" ODC G=1" WN           P=1-5/8" ODC     Z=None H=1-1/8" ODC     Q=2" FPT I=1-1/4" FPT      R=2" SW			

### 600 SERIES IN-LINE CHECK VALVES

Includes

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



<b>600AK</b>	<b>S</b>	<b>-Z</b>	<b>M</b>
<b>Base Valve Model</b>			
<b>SPRING</b> (BLANK) = Standard Spring S = Heavy Spring (Not Suitable For Gravity Drain)			
<b>(PLACE HOLDER)</b>			
<b>FLANGES</b> A=1/2" FPT      J=1-1/4" SW      S=2" WN B=1/2" SW        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" SW        M=1-1/2" SW      V=3" SW E=1" FPT          N=1-1/2" WN      W=3" WN F=1" SW           O=1-3/8" ODC     X=3-1/8" ODC G=1" WN           P=1-5/8" ODC     Y=4" SW H=1-1/8" ODC     Q=2" FPT I=1-1/4" FPT      R=2" SW           Z=None			

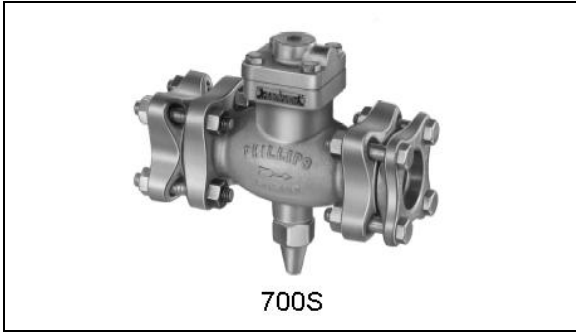
**700S SERIES GAS-POWERED CHECK VALVES**

Includes  
700AXS

700BXS

700JRS

700XS



<b>700BXS</b>	<b>F</b>	<b>-Z</b>	<b>Z</b>
<b>Base Valve Model</b>			
<b>REFRIGERANT</b> (BLANK) = Ammonia F = Halocarbon			
<b>(PLACE HOLDER)</b>			
<b>FLANGES</b>			
A=1/2" FPT	J=1-1/4" SW	S=2" WN	
B=1/2" SW	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" SW	M=1-1/2" SW	V=3" SW	
E=1" FPT	N=1-1/2" WN	W=3" WN	
F=1" SW	O=1-3/8" ODC	X=3-1/8" ODC	
G=1" WN	P=1-5/8" ODC	Z=None	
H=1-1/8" ODC	Q=2" FPT		
I=1-1/4" FPT	R=2" SW		

**700T SERIES THREE-WAY CHECK VALVES**

Includes  
700XT

700AXT

700BXT



<b>700AXT</b>	<b>-Z</b>	<b>R</b>
<b>Base Valve Model</b>		
<b>(PLACE HOLDER)</b>		
<b>FLANGES</b>		
A=1/2" FPT	J=1-1/4" SW	S=2" WN
B=1/2" SW	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" SW	M=1-1/2" SW	V=3" SW
E=1" FPT	N=1-1/2" WN	W=3" WN
F=1" SW	O=1-3/8" ODC	X=3-1/8" ODC
G=1" WN	P=1-5/8" ODC	Z=None
H=1-1/8" ODC	Q=2" FPT	
I=1-1/4" FPT	R=2" SW	

**700H SERIES PILOT-OPERATED VALVES**

Includes  
700JRH

700XH

700AXH

700BXH



<b>700AXH</b>	<b>F</b>	<b>-Z</b>	<b>B</b>	<b>D</b>	<b>M</b>	<b>A</b>
<b>Base Valve Model</b>						
<b>REFRIGERANT TYPE</b> (BLANK) = Ammonia F = Halocarbon						
<b>(PLACE HOLDER)</b>						
<b>SPRING</b>						
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					
<b>METERING PLUG</b>						
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					
<b>FLANGES</b>						
A=1/2" FPT	J=1-1/4" SW	R=2" SW				
B=1/2" SW	K=1-1/4" WN	S=2" WN				
C=3/4" FPT	L=1-1/2" FPT	T=2-1/8" ODC				
D=3/4" SW	M=1-1/2" SW	U=3" FPT				
E=1" FPT	N=1-1/2" WN	V=3" SW				
F=1" SW	O=1-3/8" ODC	W=3" WN				
G=1" WN	P=1-5/8" ODC	X=3-1/8" ODC				
H=1-1/8" ODC	Q=2" FPT	Z=None				
I=1-1/4" FPT						
<b>STRAINER</b>						
A = Strainer Included						
Z = No Strainer						

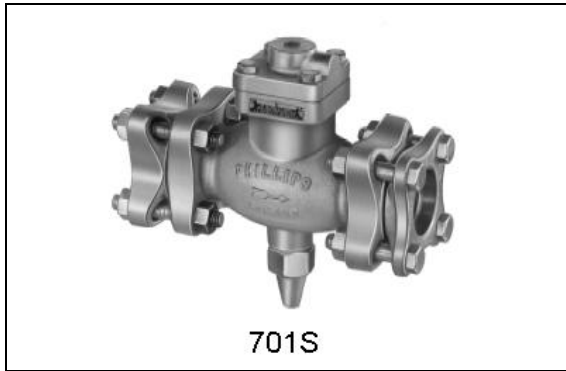
### 701S SERIES PILOT-OPERATED VALVES

Includes

701JRS  
701BS

701S  
701BXS

701AS



701S

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

### 3000 SERIES THREE-WAY SOLENOID VALVES

Includes

3000  
3000AN

3000A  
3000N

3000B



3000N

<b>3000AN</b>	<b>-120</b>
<b>Base Valve Model</b>	
<b>COIL VOLTAGE</b> 120 = 120 Volt/60 Hz Coil 240 = 240 Volt/60 Hz Coil	

### 700P SERIES INTERRUPTING VALVES

Includes

700AP

700BP



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

## 2000 SERIES INJECTORS

**Includes**

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



2100SLD		-B	T	E
<b>Base Valve Model</b>				
<b>NOZZLE</b>				
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"			
<b>THROAT/DISTRIBUTOR</b>				
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			
<b>INLET</b>				
A=3/8" FPT	D=1" FPT	G=1-1/8" ODC		
B=1/2" FPT	E=5/8" ODC	J=1" SW		
C=3/4" FPT	F=7/8" ODC	K=3/8" ODC		

## 1100 SERIES LEVEL EYES

**Includes**

1100	1100A	1100C
1100L	1100LC	1100S
1100LS	1100AT	1100T
1100V		



1100	-R	NX	T
<b>Level Eye Housing</b>			
<b>LENS</b>			
(Blank) = Clear Lens			
R = Reflex Lens			
<b>FROST SHIELD</b>			
(Blank) = No Frost Shield			
N = Standard Length (1-1/2")			
NX = Extended Length (2-1/2")			
<b>GASKET MATERIAL</b>			
(Blank) = Standard Neoprene			
B = Buna-N			
T = PTFE			

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

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