

This publication is intended as a reference guide to assist customers in identifying replacement parts for commonly used valves. (Note: 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's serial number. Valve components for new applications should always be selected using 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

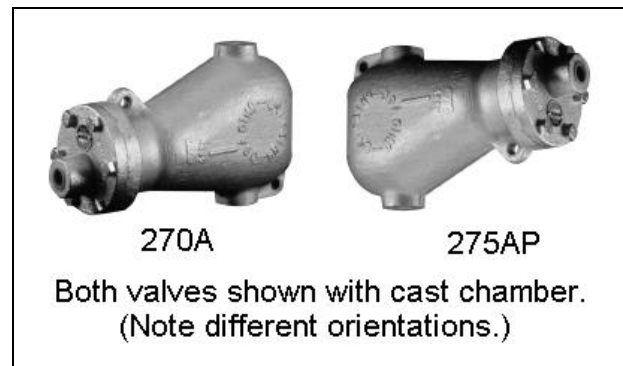


101A	F	-M	L	Z
Base Valve Model				
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon				
ORIFICE B = 5/64" C = 3/32" E = 7/64" F = 1/8" G = 9/64" H = 5/32" I = 3/16" M = 1/4" O = 5/16" P = 3/8" R = 7/16" S = 1/2" U = 5/8"				
ORIENTATION L = Left Hand Flow R = Right Hand Flow				
CHAMBER B = Welded Steel 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" B = 5/64" C = 3/32" D = 3/32D F = 1/8" I = 3/16" J = 13/64" L = 15/64" P = 3/8"				
(PLACE HOLDER)				
CHAMBER A = Cast Iron Chamber B = Welded Steel Chamber Z = No Chamber				

300 SERIES FLOAT VALVES

Includes:

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



300HM	F	-J	Z	B
Base Valve Model				
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon P = Propane				
ORIFICE 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"				
(PLACE HOLDER)				
CHAMBER B = Welded Steel Chamber Z = No Chamber				

700X SERIES PISTON-TYPE CHECK VALVES

Includes:

700A	700AX	700B
700BX	700JRX	700X



700AX	10	-Q	M
Base Valve Model			
CRACKING PRESSURE (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			
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" 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 V=3" SW D=3/4" SW M=1-1/2" SW W=3" WN E=1" FPT N=1-1/2" WN X=3-1/8" ODC F=1" SW O=1-3/8" ODC Z=None G=1" WN P=1-5/8" ODC 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



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" 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 V=3" SW D=3/4" SW M=1-1/2" SW W=3" WN E=1" FPT N=1-1/2" WN X=3-1/8" ODC F=1" SW O=1-3/8" ODC Y=4" SW 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			

700S SERIES GAS-POWERED CHECK VALVES

Includes:

700AXS 700BXS 700JRS 700XS



700BXS	F	-Z	Z
Base Valve Model			
REFRIGERANT			
(BLANK) = Ammonia F = Halocarbon			
(PLACE HOLDER)			
FLANGES			
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	V=3" SW	
D=3/4" SW	M=1-1/2" SW	W=3" WN	
E=1" FPT	N=1-1/2" WN	X=3-1/8" ODC	
F=1" SW	O=1-3/8" ODC	Z=None	
G=1" WN	P=1-5/8" ODC		
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



700AXT	-Z	R
Base Valve Model		
(PLACE HOLDER)		
FLANGES		
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	V=3" SW
D=3/4" SW	M=1-1/2" SW	W=3" WN
E=1" FPT	N=1-1/2" WN	X=3-1/8" ODC
F=1" SW	O=1-3/8" ODC	Z=None
G=1" WN	P=1-5/8" ODC	
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



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	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	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						
STRAINER						
A = Strainer Included						
Z = No Strainer						

701S SERIES PILOT-OPERATED VALVES

Includes:

701JRS
701BS

701S
701BX

701AS



701S

701AS	F	-V	P	A1	R	A
Base Valve Model						
REFRIGERANT TYPE (BLANK) = Ammonia F = Halocarbon						
ORIFICE P = 3/8" T = 9/16" U = 5/8" V = 23/32"	W = 7/8" X = 1-1/4" Z = 1-9/16"					
SPRING 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					
METERING PLUG 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			
FLANGES 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 V=3" SW W=3" WN X=3-1/8" ODC Z=None				
STRAINER A = Strainer Included Z = No Strainer						

3000 SERIES THREE-WAY SOLENOID VALVES

Includes:

3000
3000AN

3000A
3000N

3000B



3000N

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

700P SERIES INTERRUPTING VALVES

Includes:

700AP

700BP



700BP	-Z	V
Base Valve Model		
(PLACE HOLDER)		
FLANGES 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 V=3" SW W=3" WN X=3-1/8" ODC Z=None

2000 SERIES INJECTORS

Includes:

2020SL	2075WCB	2100SL
2100WCB	2100WCBA	2125WA
2150WA	2200WA	2250WA
2020SLD	2100SLD	



2075WCB			-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" SW			
C=3/4" FPT	F=7/8" ODC	K=3/8" ODC			

1100 SERIES LEVEL EYES

Includes:

1100	1100A	1100C
1100L	1100LC	1100S
1100SC	1100LS	1100LSC
1100AT	1100T	1100V
1100LST		



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

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

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