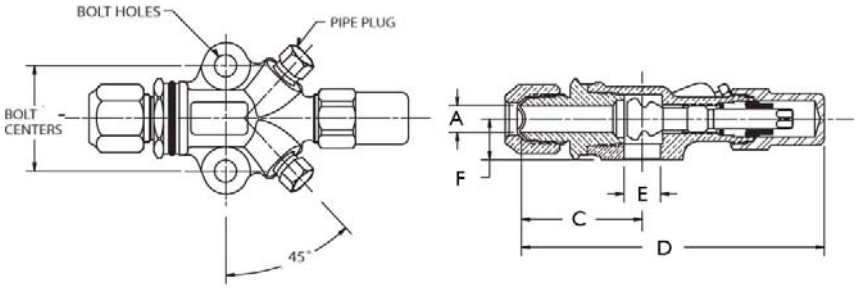
BRASS COMPRESSOR VALVES

DOUBLE PORT, 45° FLARE



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Valve Part Number	Valve Kit Part Number	A		C		D		E		F		Bolt Hole		Bolt Hole Diameter		Pipe Plug Size in	Flange Thickness		Seat Position	Valve Wt		Valve Kit Wt	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm		lb	kg	lb	kg
A 16302	A 17518	3/8	10	1.73	44	4.45	113	0.56	14	0.62	16	1 5/8	41	.34	9	1/8	7/8	22	Mid	1.20	0.54	1.24	
A 16303	A 17519	1/2	13	1.86	47	4.67	119	0.56	14	0.62	16	1 5/8	41	.34	9	1/8	7/8	22	Mid	1.17	0.53	1.17	
A 16304	A 17520	5/8	17	1.99	51	4.80	122	0.56	14	0.62	16	1 5/8	41	.34	9	1/8	7/8	22	Mid	1.23	0.56	1.27	

Torque To Seal

Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
14 - 18	19 - 24	14 - 18	19 - 24	8 - 12	11 - 16	2 - 3 Threads Exposed	NA	20 - 30	27 - 41	3 - 5	4 - 7

References

Valve Part Number	Valve Kit Part Number *	Body Number	Standard Seal Cap		Replacement Seal Cap			Replacement Kit**	Valve Kit *	Manufacturer Reference to Valve Kit Part Number	
			Material	Seal Cap	Plastic	Brass***	Steel			Carrier	Copeland
A 16302	A 17518	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17518		998-0510-15
A 16303	A 17519	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17519		998-0510-16
A 16304	A 17520	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17520		998-0510-17

* Valve kit includes valve, gasket and bolts

** Replacement kit contains components to pack stem (pack gland, packing and pack washer)

*** Cap and cap gasket kit

**** Seal cap and o-ring kit

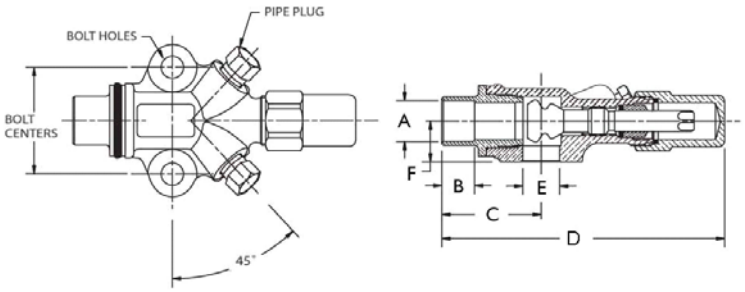
***** O-ring included

BRASS COMPRESSOR VALVES
DOUBLE PORT, SOLDER



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Valve Part	Valve Kit Part Number	A	B	C	D	E	F	Bolt Centers	Bolt Hole Diame-ter	Pipe Plug	Flange Thickness	Seat Position	Valve Wt		Valve Kit Wt	
		in	in	in	in	in	in	in	in	Size in	in		lb	kg	lb	kg
A 16307	A 17510	3/8	10	8	32	14	16	1	.34	9 1/8	7/8	22 Front			0.73	
A 16308	A 17511	1/2	13	10	36	14	16	1	.34	9 1/8	7/8	22 Front			0.90	

Torque to Seal

Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
14 - 18	19 - 24	14 - 18	19 - 24	8 - 12	11 - 16	2 - 3 Threads Exposed	NA	20 - 30	27 - 41	3 - 5	4 - 7

References

Valve Part Number	Valve Kit Part Number *	Body Number	Standard Seal Cap		Replacement Seal Cap			Replacement Kit**	Valve Kit *	Manufacturer Cross Reference to Valve Kit Part Number	
			Material	Seal Cap	Plastic	Brass***	Steel			Carrier	Copeland
A 16307	A 17510	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17510		998-0510-04
A 16308	A 17511	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17511		998-0510-05
A 16309	A 17512	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17512		998-0510-06
A 16309	A 17531	A 09464	Steel	A 04566	P 34627	A 16474	A 04566	A 17420	A 17531		

#	Plastic Bag
*	Valve kit includes valve, gasket and bolts
**	Replacement kit contains components to pack stem (pack gland, packing and pack washer)
***	Cap and cap gasket kit
****	Seal cap and o-ring kit
*****	O-ring included

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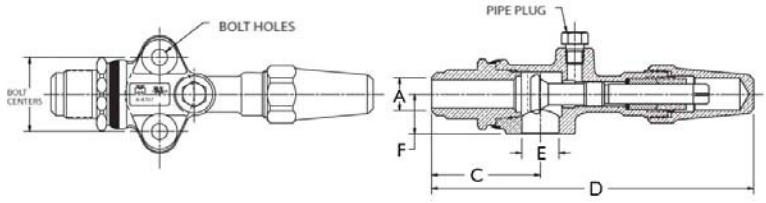
BRASS COMPRESSOR VALVES

STRAIGHT PORT, 45° FLARE



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Valve Part Number	A		B		C		D		E		F		Bolt Centers		Bolt Hole Diameter		Pipe Plug Size in	Flange Thickness		Seat Position	Valve Wt	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm		lb	kg
A 13166	3/4	19			2.37	60	7.05	179	0.81	21	0.85	22	1 5/8	41	.34	9	1/8	1 1/4	32	Mid	1.78	0.81

Torque To Seal

Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
22 - 40	30 - 54	25 - 45	34 - 61	15 - 25	20 - 34	2 - 3 Threads Exposed	Hand Tight	40 - 50	54 - 68	NA	NA

References

Valve Part Number	Body Number	Standard Seal Cap				Replacement Seal Cap			Replacement Kit**	Valve Kit *	Manufacturer Reference	
		Material	Seal Cap	Gasket	O-ring	Kit****	Plas-	Brass****	Steel			Carrier	Copeland
A 13166	A 04707	Brass	A 04775	A 04710		A 15099		A 15099		A 17419			

*	Valve kit includes valve, gasket and bolts
**	Replacement kit contains components to pack stem (pack gland, packing and pack washer)
***	Cap and cap gasket kit
****	Seal cap and o-ring kit
*****	O-ring included

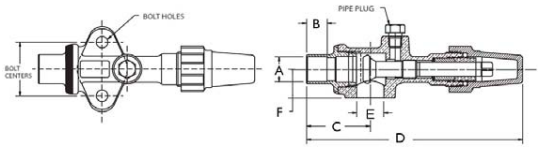
BRASS COMPRESSOR VALVES

STRAIGHT PORT, SOLDER



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Number / Valve Part	Kit Part Number	A in	A mm	B in	B mm	C in	C mm	D in	D mm	E in	E mm	F in	F mm	Bolt Centers in	Bolt Centers mm	Bolt Hole Diameter in	Bolt Hole Diameter mm	Pipe Plug Size in	Flange Thickness in	Flange Thickness mm	Seat Position	Valve Wt lb	Valve Wt kg	Kit Wt lb	Kit Wt kg
A 16310		3/4	19	0.62	16	1.91	49	6.49	165	0.81	21	0.88	22	1 5/8	41	.34	9	1/8	1 21/64	34	Front	1.64	0.74		
A 16311	A 17515	7/8	22	0.76	19	1.97	50	6.55	166	0.81	21	0.88	22	1 5/8	41	.34	9	1/8	1 21/64	34	Front	1.63	0.74	1.55	0.70
B 32197	A 17529	7/8	22	0.76	19	1.97	50	6.47	164	0.81	21	0.88	22	1 3/4	44	.34	9	1/8	1 21/64	34	Mid	1.42	0.64	1.69	0.77
A 15500		1 1/8	29	0.90	23	2.06	52	6.64	169	0.81	21	0.88	22	1 5/8	41	.34	9	1/8	1 21/64	34	Back	1.43	0.65		

Torque To Seal

Front Seat (ft-lb)	Front Seat (N-m):	Back Seat (ft-lb)	Back Seat (N-m):	Pack Gland (ft-lb)	Pack Gland (N-m):	Pipe Plug	Plastic Cap	Brass Cap (ft-lb)	Brass Cap (N-m)	Steel Cap (ft-lb)	Steel Cap (N-m)
22 - 40	30 - 54	25 - 45	34 - 61	15 - 25	20 - 34	2 - 3 Threads Exposed	Hand Tight	40 - 50	54 - 68	NA	NA

References

Valve Part Number	Body Number	Standard Seal Cap Material	Standard Seal Cap Seal Cap *****	Standard Seal Cap Kit	Replacement Seal Cap Plastic*****	Replacement Seal Cap Brass****	Replacement Seal Cap Steel	Replacement Kit**	Valve Kit *	Manufacturer Reference Carrier	Manufacturer Reference Copeland
A 16310	A 04707	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419			
A 16311	A 04707	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17515		998-0510-12
B 32197	A 04715	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17529	06DA660-062	
A 15500	A 04707	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419			
A 16312	A 04707	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17516		998-0510-13

* Valve kit includes valve, gasket and bolts

** Replacement kit contains components to pack stem (pack gland, packing and pack washer)

*** Cap and cap gasket kit

**** Seal cap and o-ring kit

***** O-ring included

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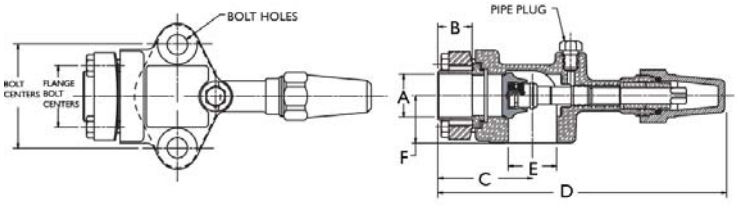
BRASS COMPRESSOR VALVES

FLANGE UNION, SOLDER



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Valve Part Number	Valve Kit Part Number	A		B		C		D		E		F		Bolt Centers		Bolt Hole Diameter		Pipe Plug	Flange Thickness		Seat Position	Valve Wt		Valve Kit Wt	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Size in	in	mm		lb	kg	lb	kg
A 16313		3/4	19	0.62	16	2.31	59	7.33	186	1.25	32	1.25	32	2 3/4	70	.531	13	1/8	1	25	Front	3.93	1.78		
A 16314	A 17527	7/8	22	0.75	19	2.31	59	7.33	186	1.25	32	1.25	32	2 3/4	70	.531	13	1/8	1	25	Front	3.90	1.77	4.05	1.84
A 16315	A 17525	1 1/8	29	0.91	23	2.47	63	7.49	190	1.25	32	1.25	32	2 3/4	70	.531	13	1/8	1	25	Front	3.66	1.66	4.03	1.83
A 16316	A 17526	1 3/8	35	0.97	25	2.47	63	7.49	190	1.25	32	1.25	32	2 3/4	70	.531	13	1/8	1	25	Front	3.65	1.66	3.80	1.72

Torque To Seal										
Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
30 - 40	41 - 54	22 - 45	30 - 61	15 - 25	20 - 34	2 - 3 Threads Exposed	Hand Tight	40 - 50	54 - 68	NA	NA

References											
Valve Part Number	Valve Kit Part Number *	Body Number	Standard Seal Cap			Replacement Seal Cap			Replacement Kit**	Valve Kit *	Manufacturer Reference to Valve Kit Part Number	
			Material S	eal Cap *****	Kit	Plastic *****	Brass***	Steel			Carrier	Copeland
A 16313	A 16313	A 03416	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419			
A 16314	A 16314	A 03416	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17527		998-0510-10
A 16315	A 16315	A 03416	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17525		998-0510-09
A 16316	A 16316	A 03416	Plastic	P 34632	P 35915	P 34632	A 15099		A 17419	A 17526		998-0510-11

* Valve kit includes valve, gasket and bolts

** Replacement kit contains components to pack stem (pack gland, packing and pack washer)

*** Cap and cap gasket kit

**** Seal cap and o-ring kit

***** O-ring included

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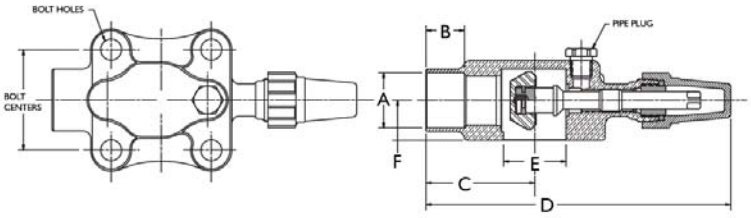
BRASS COMPRESSOR VALVES

FOUR-BOLT MOUNTING, SOLDER



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F, -40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop
- Flat Gasket Surface



Valve Part Number	Valve Kit Part Number*	A		B		C		D		E		F		Bolt Centers		Bolt Hole Diameter		Pipe Plug Size in	Flange Thickness		Seat Position	Valve Wt		Valve Kit Wt	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		in	mm		lb	kg	lb	kg
B 32807	A 17532	1 1/8	29	0.90	23	2.72	69	7.61	193	1.56	40	1.00	25	2.5	64	.53	13	1/4			Mid	4.00	1.81	4.47	2.03
B 32808	A 17533	1 3/8	35	0.96	24	2.72	69	7.61	193	1.56	40	1.00	25	2.5	64	.53	13	1/4			Mid	3.98	1.80	4.67	2.12
B 32930	A 17534	1 5/8	41	1.10	28	2.88	73	7.89	200	1.81	46	1.03	26	2.5	64	.53	13	1/4			Mid	4.13	1.87	4.67	2.12

Torque To Seal											
Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
22 - 40	30 - 54	25 - 45	34 - 61	10 - 15	14 - 20	2 - 3 Threads Exposed	Hand Tight	40 - 50	54 - 68	NA	NA

References Manufacturer Reference to												
Valve Part Number	Valve Kit Part Number*	Body Number	Standard Seal Cap			Replacement Seal Cap			Replacement Kit**	Valve Kit *	Carrier	Kit Part Number Copeland
			Material	Seal Cap *****	Kit	Plastic*****	Brass****	Steel				
B 32807	B 32807	F 27950	Plastic	P 34632	P 35915	P 34632	A 15099		A 17418	A 17532	06DA660-063	
B 32808	B 32808	F 27955	Plastic	P 34632	P 35915	P 34632	A 15099		A 17418	A 17533	06DA660-065	
B 32930	B 32930	F 29201	Plastic	P 34632	P 35915	P 34632	A 15099		A 17418	A 17534	06DA660-090	

* Valve kit includes valve, gasket and bolts

** Replacement kit contains components to pack stem (pack gland, packing and pack washer)

*** Cap and cap gasket kit

**** Seal cap and o-ring kit

***** O-ring included

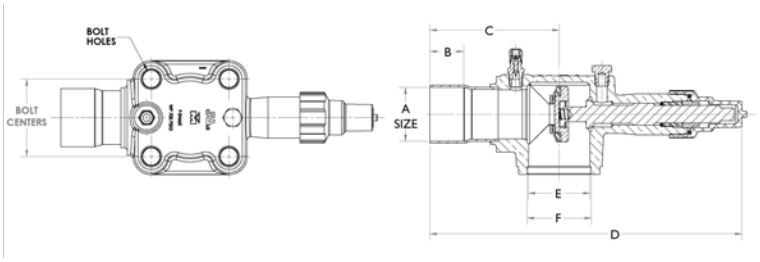
BRASS COMPRESSOR VALVES

FOUR-BOLT MOUNTING, ACCESS PORT



Features:

- Design Pressure (DP) / Maximum abnormal pressure (MAP): 700 psig, 48 bar
- Continuous operating temperature (COT): -40°F/300°F,-40°C/149°C
- Contact factory or visit website for compatibility with CFC, HCFC, HFC and HFO refrigerants and oils
- UL/cUL Recognized, Conforms to Pressure Equipment Directive 2014/68/EU
- 100% tested
- Asbestos-free valve packing
- Valve openings designed for maximum flow and minimum pressure drop



Valve Part Number	Valve Kit Part Number	A		B		C		D		E		F		Bolt Centers		Bolt Hole Diameter		Pipe Plug Size in	Access Port in	Seat Position	Valve Wt		Valve Kit Wt	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm				lb	kg	lb	kg
A 17495		2 1/8	54	1.34	34	5.09	129	12.31	313	2.42	61	2.53	64	3.06	78	.69	17	1/4	0.25	Mid	11.84	5.37		

Torque To Seal											
Front Seat		Back Seat		Pack Gland		Pipe Plug	Plastic Cap	Brass Cap		Steel Cap	
(ft-lb)	(N-m):	(ft-lb)	(N-m):	(ft-lb)	(N-m):			(ft-lb)	(N-m)	(ft-lb)	(N-m)
45 - 65	61 - 88	45 - 65	61 - 88	35 - 45		240 - 300	Hand Tight				

References											
Valve Part Number	Valve Kit Part Number*	Body Number	Standard Seal Cap			Replacement Seal Cap			Replace-men t Kit**	Valve Kit *	Manufacturer Reference to Valve Kit Part Number	
			Material	Seal Cap *****	Kit	Plastic*****	Brass****	Steel			Carrier	Copeland
A 17495	A 17495	F 34665	Plastic	N 02849	A 17668	A 17668	A 15099		A 17422			

**** Seal cap and o-ring kit

***** O-ring included