

MOUNTING KIT SELECTION GUIDE

REVISION: AF



**PNEUMATIC ACTUATORS, ELECTRIC ACTUATORS,
GEAR OPERATORS & ACCESSORIES**

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Approved by: Kevin Bartell

Date: 2/22/2018
Date: 2/22/2018

Conbraco Industries, Inc.
Matthews NC, Conway SC
& Pageland SC
ACT001 Revision AF
Retain previous revision for reference.

Revised 02/22/18

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CONBRACO INDUSTRIES INC.

ACTUATOR ACCESSORIES (MOUNTING KITS)

Actuators	WESTLOCK Limit Switch	STONEL Std. Limit Switch	STONEL ECLIPSE	STONEL - SOLAR/ ONYX "L" Shaft	PMV Positioner	MONITUER Limit Switch	ACCORD Positioner	BEACON ONLY Direct Mount	VRC Positioner	PROXIMITY Limit Switch
0012	63-002-01 (3)	63-001-95 (3)		63-002-76 (3)	63-002-01 (3)	63-002-12 (3)	63-002-01 (3)	63-002-26 (2)		63-002-54 (3)
0025,0040,0065,0100,0150,0200,0350		63-001-96 (3)	78-2681-01		63-001-89 (3)	63-002-13 (3)	63-001-89 (3)	63-002-22 (2)	63-002-28 (2)	63-002-37 (3)
0600,0950,1600,2500,4000	63-001-91 (3)	63-001-97 (3)		63-002-78 (3)	63-001-91 (3)	63-002-14 (3)	63-001-91 (3)	63-001-85 (2)	63-002-29 (2)	63-002-38 (3)
DT-3										63-002-59 (3)
DT-7										63-002-60 (3)
DT-12										63-002-58 (3)
DT-21										
DT-36										
DT0036DM										
G01XX, G02XX & G03XX SERIES	63-001-89 (3)	63-001-96 (3)		63-002-77 (3)	63-001-89 (3)	63-002-13 (3)	63-001-89 (3)	63-002-22 (2)	63-002-28 (2)	63-002-37 (3)
3S45 - 3S105 3S125 - 3S210	63-002-97 63-002-98				63-002-97 63-002-98	63-002-13 63-002-14	63-002-97 63-002-98			

NOTES:

(2) = NON-METALLIC OR CARBON STEEL PLATED

(3) = STAINLESS STEEL

N/A = NOT AVAILABLE

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ELECTRIC ACTUATORS / APOLLO VALVES						
Valve Series	Valve Size	Mounting Kit Material	AE Series ISO Mtg. 19mm F07	CS Series ISO Mtg. 19mm F05-F07	CL Series (-B) ISO Mtg. 22mm F07-F10	PROXIMITY Limit Switch**
70-600 76-600	1/4-1/2	St'n St'l	78-1123-01	78-1123-01		63-002-74
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-788-01	78-788-01		63-002-33
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l	78-390-01	78-390-01		63-002-32
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-788-01	78-788-01		63-002-33
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	2-1/2	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
77-100	3	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
	1/4-1/2	St'n St'l	78-390-01	78-390-01		63-002-32
	3/4	St'n St'l	78-788-01	78-788-01		63-002-33
	1	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/4	St'n St'l	78-717-01	78-717-01	78-807-01	63-002-34
	1-1/2	Cs/Zinc	78-721-01	78-721-01	78-180-01	63-002-36
	2	Cs/Zinc	78-722-01	78-722-01	78-723-01	63-002-40
"AR" SERIES 71-AR 76-AR 89-AR	2-1/2	Cs/Zinc	78-718-01	78-718-01	78-719-01	63-002-35
	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4-1	St'n St'l	78-1532-01	78-1532-01		63-002-68
"AR" SERIES 77-AR	1-1/4 - 3	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4	St'n St'l	78-1532-01	78-1532-01		63-002-68
77648	1-2	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
77648	2" only	St'n St'l	78-1918-01	78-1918-01	78-1919-01	63-002-94
77D	1/2	St'n St'l	78-2121-01	78-2121-01		
	3/4	St'n St'l	78-2122-01	78-2122-01		
	1	St'n St'l	78-2115-01	78-2115-01		
	1-1/2	St'n St'l	78-2123-01	78-2123-01		
	2	St'n St'l	78-2123-01	78-2123-01		

NOTES:

1. **Switch mounts direct to manual valve body.
2. PROXIMITY brand limit switch kits to manual valves are only available in stainless steel.
3. CL Series "(-B) ISO Mtg." includes only CL Series actuators with suffix "B". Example: 3R88087B
4. *(F16) or (F25) is for ISO mounting pad size, reference only.

ELECTRIC ACTUATORS / APOLLO VALVES						
Valve Series	Valve Size	Mounting Kit Material	AE Series ISO Mtg. 19mm F07	CS Sereies ISO Mtg. 19mm F05-F07	CL Series (-B) ISO Mtg. 22mm F07-F10	PROXIMITY Limit Switch**
82-100/200 Body Bolt Mtg.	1/4-3/8	St'n St'l				63-002-41
	1/2	St'n St'l	78-2136-01	78-2136-01		63-002-42
	3/4	Cs/Zinc	78-784-01	78-784-01		63-002-43
	1	Cs/Zinc	78-732-01	78-732-01		63-002-44
	1-1/4	Cs/Zinc	78-733-01	78-733-01	78-1601-01	63-002-45
	1-1/2	Cs/Zinc	78-734-01	78-734-01	78-792-01	63-002-46
	2	Cs/Zinc	78-735-01	78-735-01	78-737-01	63-002-47
	3 - OLD STY	St'n St'l	78-739-01	78-739-01	78-740-01	63-002-90
	4 - OLD STY	St'n St'l			78-741-01	63-002-99
82A-ISO PAD	3 - ISO	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	4 - ISO	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
83R/86R- 100,200,700 401R- 100 & 200	1/4-1/2	St'n St'l	78-1524-01	78-1524-01		63-002-67
	3/4-1	St'n St'l	78-1532-01	78-1532-01		63-002-68
	1 1/4 - 2	St'n St'l	78-1538-01	78-1538-01	78-1540-01	63-002-69
	3	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
83A, 83B 86A, 86B	1/4-1/2	St'n St'l	78-2029-01	78-2029-01		
	3/4	St'n St'l	78-2034-01	78-2034-01		
	1	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	1-1/4,1-1/2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
	2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
87,88-100	1/2	St'n St'l	78-362-01	78-362-01		
	3/4	St'n St'l	78-219-01	78-219-01		63-002-33
	1	St'n St'l	78-824-01	78-824-01		63-002-33
87A, 88A- 100,400,700 87B,88B- 100, 400 ISO MTG. PAD	1-1/2	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
	2-1/2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	3	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	4	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	6	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	8 *(F16)	St'n St'l			78-1972-01	
87A,88A- 200,500,900 ISO MTG. PAD	1/2	St'n St'l	78-1680-01	78-1680-01		
	3/4	St'n St'l	78-1684-01	78-1684-01		63-002-66
	1	St'n St'l	78-1619-01	78-1619-01	78-1623-01	63-002-66
	1-1/2	St'n St'l	78-1620-01	78-1620-01	78-1624-01	63-002-65
	2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	2-1/2	St'n St'l	78-1621-01	78-1621-01	78-1625-01	63-002-64
	3	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	4	St'n St'l	78-1622-01	78-1622-01	78-1626-01	63-002-63
	6 *(F16)	St'n St'l			78-1972-01	

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0012	0025 11mm F04	063 11mm F05-F07	0040/0065 14mm F05-F07	0100/0150 19mm F07	0200 22mm F07-F10	0350 27mm F10	0600 27mm	0950 36mm F10-F14	1600/2500 46mm F16	4000 55mm F16-F25
70-600 76-600	1/4-1/2	St'n St'l		78-402-01	78-711-01	78-2124-01	78-1123-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01						
	1	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l		78-401-01	78-712-01	78-354-01	78-390-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01						
	1	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	2	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	2-1/2	Cs/Zinc					78-718-01	78-719-01	78-785-01				
77-100	3	Cs/Zinc					78-718-01	78-719-01	78-785-01				
	1/4-1/2	St'n St'l		78-401-01	78-712-01	78-354-01	78-390-01						
	3/4	St'n St'l		78-400-01	78-713-01	78-715-01	78-788-01	78-2211-01					
	1	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/4	St'n St'l		78-2264-01	78-714-01	78-716-01	78-717-01	78-807-01 ⁽¹⁾					
	1-1/2	Cs/Zinc				78-720-01	78-721-01	78-2290-01					
"AR" 71-AR 76-AR 89-AR	2	Cs/Zinc					78-722-01	78-723-01	78-804-01				
	2-1/2	Cs/Zinc					78-718-01	78-719-01	78-785-01	78-2571-01			
	1/4-1/2	St'n St'l	78-2295-01	78-1519-01	78-1521-01	78-1522-01	78-1524-01						
	3/4-1	St'n St'l		78-1527-01	78-1529-01	78-1530-01	78-1532-01	78-2576-01					
	1 1/4-3	St'n St'l			78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01			
"AR" 77-AR	1/4-1/2	St'n St'l	78-2295-01	78-1519-01	78-1521-01	78-1522-01	78-1524-01						
	3/4	St'n St'l		78-1527-01	78-1529-01	78-1530-01	78-1532-01						
	1-2	St'n St'l		78-1535-01	78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01			
77648	2" only	St'n St'l				78-1917-01	78-1918-01	78-1919-01	78-1920-01	78-1920-01			
77D	1/2	St'n St'l	78-2295-01	78-2247-01								77D kits should: (1)have the insert removed and rotated 45° if an "A" suffix actuator is used or (2)be used with a "B" suffix actuator.	
	3/4	St'n St'l		78-2006-01	78-2006-01	78-2297-01							
	1	St'n St'l		78-2007-01	78-2007-01	78-2215-01	78-2115-01 ⁽²⁾						
	1-1/2	St'n St'l				78-2008-01	78-2216-01 ^(1,3) 78-2009-01 ⁽³⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾			
	2	St'n St'l				78-2008-01	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾	78-2216-01 ⁽¹⁾			

(1) Kit should include a "B" actuator.

(2) 78-2115-01 ALSO FITS AE-SER (BRACKETED KIT)

(3) 78-2216-01 FOR USE ON 0150, USE 78-2009-01 FOR 0100

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0012	0025		0040/0065	DT3 ³ 0100/0150	DT7 ³ 0200	0350	0600	0950	1600/2500	4000	DT-3	DT-7
					063										
			F03	11mm F04	11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25		
	1/4-3/8	Cs/Zinc			78-780-01	78-790-01									
	1/4-3/8	St'n St'l		78-1087-01	78-379-01	78-380-01									
82-100/200	1/2	Cs/Zinc			78-724-01	78-791-01									
Body Bolt	1/2	St'n St'l		78-1082-01	78-382-01	78-383-01	78-2136-01								
Mtg.	3/4	Cs/Zinc			78-725-01	78-728-01	78-784-01								
	1	Cs/Zinc			78-726-01	78-729-01	78-732-01								
	1-1/4	Cs/Zinc			78-727-01	78-730-01	78-733-01								
	1-1/2	Cs/Zinc				78-731-01	78-734-01	78-792-01							
	2	Cs/Zinc				78-1179-01	78-735-01	78-737-01	78-334-01						
	3 - OLD STY	St'n St'l					78-739-01	78-740-01	78-826-01						
	4 - OLD STY	St'n St'l						78-741-01	78-829-01		78-825-01				
82A - ISO PAD	3 - ISO	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
	4 - ISO	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
83R, 86R-100	1 1/4-2	St'n St'l			78-1535-01	78-1536-01	78-1538-01	78-1540-01	78-1541-01	78-1541-01					
200,700	2 tank btm	St'n St'l				78-1536-01	78-1538-01	78-1540-01							
	3	St'n St'l					78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01				
	1/4-1/2	St'n St'l	78-2281-01	78-2026-01	78-2027-01	78-2028-01	78-2029-01								
83A, 83B	3/4	St'n St'l		78-2031-01	78-2032-01	78-2033-01	78-2034-01								
86A, 86B	1	St'n St'l		78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01							
	1-1/4, 1-1/2	St'n St'l			78-1614-01	78-1617-01	78-1620-01	78-1624-01	78-2645-01						
	2	St'n St'l			78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1621-01	78-1625-01
6PLF	2	St'n St'l					78-2530-01 ²	78-2606-01						78-2530-01	
	2-1/2	St'n St'l					78-2531-01 ²	78-2582-01						78-2530-01	
	3	St'n St'l					78-2531-01	78-2532-01	78-2533-01					78-2567-01	
	4	St'n St'l						78-2581-01	78-2533-01	78-2533-01					78-2568-01
	6	St'n St'l								78-2608-01	78-2534-01	78-2566-01			
	8	St'n St'l								78-2608-01		78-2535-01			
	10	St'n St'l										78-2535-01			

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² Fits A0150 only³ Does not include 6PLFs

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CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mounting Kit Material	0025		0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000
			11mm F04	063 11mm F05-F07	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25
87A, 88A-100 400 & 700 87B,88B-100 & 400 ISO MTG. PAD	1-1/2	St'n St'l	78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01					
	2	St'n St'l		78-1614-01	78-1617-01	78-1620-01	78-1624-01					
	2-1/2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	3	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	4	St'n St'l				78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01		
	6	St'n St'l					78-1626-01	78-1630-01	78-1630-01	78-1632-01		
	8 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	
	10 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	
87A,88A-200 500 & 900	1/2	St'n St'l	78-1677-01	78-1678-01	78-1679-01	78-1680-01						
	3/4	St'n St'l	78-1681-01	78-1682-01	78-1683-01	78-1684-01						
	1	St'n St'l	78-2081-01	78-1613-01	78-1616-01	78-1619-01	78-1623-01	78-2527-01				
	1-1/2	St'n St'l		78-1614-01	78-1617-01	78-1620-01	78-1624-01		78-2484-01			
	2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	2-1/2	St'n St'l		78-2082-01	78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01			
	3	St'n St'l				78-1622-01	78-1626-01	78-1630-01 / 78-2515-01*	78-1630-01	78-1632-01		
	4	St'n St'l				78-1622-01	78-1626-01	78-1630-01	78-1630-01	78-1632-01	78-2517-01**	
	6 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01
	8 *(F16)	St'n St'l					78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01
	10 *(F25)	St'n St'l									78-1635-01	78-2376-01
	12 *(F25)	St'n St'l									78-1635-01	78-2376-01

** Option: 78-2459-01 IS FOR HIGH TEMP APPLICATIONS, W/ HEAT SHIELD

* 78-2515-01 Heat Shield Kit for 3"FP 87A to A0350

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

Class 600 Full Port Flanged Valves

Valve Series	Valve Size (in)	Mounting Kit Material	0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	Electric Actuators			Gear Operators				
			11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	DT-3	DT-7	DT-12	DT-21	DT-36DM
87AF/ 88AF	1	St'n St'l		78-2670-01	78-2487-01							78-2487-01	78-2487-01		78-2487-01				
	1-1/2	St'n St'l			78-1621-01							78-1621-01	78-1621-01		78-1621-01				
	2	St'n St'l			78-2671-01	78-2488-01								78-2488-01		78-2488-01			
	2-1/2	St'n St'l				78-2488-01								78-2488-01		78-2488-01			
	3	St'n St'l				78-1626-01	78-1630-01	78-1630-01								78-1626-01			
	4	St'n St'l					78-2489-01	78-2489-01									78-2577-01		
	6	St'n St'l								78-1634-01							78-1638-01		
	8 *(F16)	St'n St'l									78-2376-01							78-2607-01	78-1640-01
	10 *(F16)	St'n St'l																	

Page 10 can be used as a reference for Gear Operator kits.

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3 FEMALE SQ.	OA8, 15 FEMALE SQ.	AT 25 FEMALE SQ.	AT 50 FEMALE SQ.	BT 100 FEMALE SQ.	FQ08 F07 FEMALE SQ. 22mm		
70-600 76-600	1/4-1/2	St'n St'l		78-1123-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-715-MT	78-788-MT						
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	St'n St'l	78-716-MT	78-717-MT	78-807-MT			78-2640-01		
	2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
71-100 76-100 89-100 399-100 489-100	1/4-1/2	St'n St'l	78-354-MT	78-390-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-715-MT	78-788-MT						
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	2	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	2-1/2	Cs/Zinc		78-718-MT	78-719-MT					
77-100	3	Cs/Zinc		78-718-MT	78-719-MT					
	1/4-1/2	St'n St'l	78-354-MT	78-390-MT						
	3/4	St'n St'l	78-715-MT	78-788-MT						
	1	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/4	St'n St'l	78-716-MT	78-717-MT	78-807-MT					
	1-1/2	Cs/Zinc	78-720-MT	78-721-MT	78-180-MT					
	2	Cs/Zinc		78-722-MT	78-723-MT					
"AR" SERIES 71-AR 76-AR 89-AR	2-1/2	Cs/Zinc		78-718-MT	78-719-MT					
	1/4-1/2	St'n St'l	78-1522-MT							
	3/4-1	St'n St'l	78-1530-MT	78-1533-01						
	1 1/4-3	St'n St'l	78-1536-MT	78-1539-01						
"AR" SERIES 77-AR										
	1/4-1/2	St'n St'l	78-1522-MT							
	3/4	St'n St'l	78-1530-MT	78-1533-01						
77D	1-2	St'n St'l	78-1536-MT	78-1539-01						
	2" only	St'n St'l	78-1917-MT	78-1918-MT						
	1/2									
	3/4									
	1		78-2068-MT							
77D	1-1/2	St'n St'l	78-2008-MT	78-2009-MT						
	2	St'n St'l	78-2008-MT	78-2009-MT						

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3 FEMALE SQ.	OA8, 15 FEMALE SQ.	AT 25 FEMALE SQ.	AT 50 FEMALE SQ.	BT 100 FEMALE SQ.			
82-100/200 Body Bolt Mtg.	1/4-3/8	St'n St'l	78-790-MT							
	1/2	Cs/Zinc	78-380-MT							
	1/2	St'n St'l	78-791-MT							
	3/4	Cs/Zinc	78-728-MT	78-784-MT						
	1	Cs/Zinc	78-729-MT	78-732-MT						
	1-1/4	Cs/Zinc	78-730-MT	78-733-MT						
	1-1/2	Cs/Zinc	78-731-MT	78-734-MT	78-392-MT					
	2	Cs/Zinc	78-1179-MT	78-735-MT	78-737-MT					
	3	St'n St'l		78-739-MT	78-740-MT					
	4	St'n St'l			78-741-MT	78-829-MT	78-825-MT			
82A - ISO PAD	3 - ISO	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	4 - ISO	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
83,86-500, 600,900 w/ Mtg. pad (-A SUFFIX)	3/4	St'n St'l	78-306-MT	78-307-MT	78-317-MT					
	1	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	1-1/4	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	1-1/2	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
	2	St'n St'l	78-309-MT	78-310-MT	78-311-MT					
ONLY Body Bolt	1/4-1/2	Cs/Zinc	78-790-MT							
	1/4-1/2	St'n St'l	78-380-MT							
85R-100,200	3/4	St'n St'l	78-1522-MT							
	1-1 1/4	St'n St'l	78-1530-MT	78-1533-01						
	1 1/2-2	St'n St'l	78-1536-MT	78-1539-01						
83R,86R-100 200,700 401R-100 & 200	1/4-1/2	St'n St'l	78-1522-MT							
	3/4-1	St'n St'l	78-1530-MT	78-1533-01						
	1 1/4-2	St'n St'l	78-1536-MT	78-1539-01						
	2 tank btm	St'n St'l	78-1536-MT							
	3	St'n St'l		78-1622-MT	78-1626-MT					
83A, 83B 86A, 86B	1/4-1/2	St'n St'l	78-2028-MT	78-2029-MT						
	3/4	St'n St'l	78-2033-MT	78-2034-MT						
	1	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	1-1/4,1-1/2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					

CONBRACO INDUSTRIES INC.

APOLLO VALVES

Valve Series	Valve Size	Mtg. Kit Material	OA3 FEMALE SQ.	OA8, 15 FEMALE SQ.	AT 25 FEMALE SQ.	AT 50 FEMALE SQ.	BT 100 FEMALE SQ.			
87,88-100	1/2	St'n St'l	78-1169-MT	78-362-MT						
	3/4	St'n St'l	78-823-MT							
	1	St'n St'l	78-786-MT	78-824-MT						
87A, 88A-100 400 & 700 87B,88B-100 & 400 ISO MTG. PAD	1-1/2	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2-1/2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	3	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	4	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	6	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	8 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	10 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
87A,88A-200 500 & 900	1/2	St'n St'l	78-1679-MT	78-1680-MT						
	3/4	St'n St'l	78-1683-MT	78-1684-MT						
	1	St'n St'l	78-1616-MT	78-1619-MT	78-1623-MT					
	1-1/2	St'n St'l	78-1617-MT	78-1620-MT	78-1624-MT					
	2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	2-1/2	St'n St'l	78-1618-MT	78-1621-MT	78-1625-MT					
	3	St'n St'l		78-1622-MT	78-1626-MT		78-1632-MT			
	4	St'n St'l		78-1622-MT	78-1626-MT	78-2629-MT	78-1632-MT			
	6 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	8 *(F16)	St'n St'l				78-1972-MT	78-1633-MT			
	10 *(F25)	St'n St'l								
	12 *(F25)	St'n St'l								

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

APOLLO VALVES

MANUAL WORM GEAR OPERATORS

Valve Series	Valve Size	Mounting Kit Material	DT3 19mm F07	DT7 22mm F10	DT12 BORE/KEY F12	DT21 BORE/KEY F14	DT-36	DT-36DM BORE/KEY F16
87A, 88A-100 400 & 700 87B,88B-100 & 400 ISO MTG. PAD	1-1/2	St'n St'l	78-1619-01					
	2	St'n St'l	78-1620-01					
	2-1/2	St'n St'l	78-1621-01					
	3	St'n St'l	78-1621-01					
	4	St'n St'l	78-1622-01					
	6	St'n St'l		78-1626-01				
	8 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
	10* (F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
87A,88A-200 500 & 900 ISO MTG. PAD	1/2	St'n St'l	78-1680-01					
	3/4	St'n St'l	78-1684-01					
	1	St'n St'l	78-1619-01					
	1-1/2	St'n St'l	78-1620-01					
	2	St'n St'l	78-1621-01					
	2-1/2	St'n St'l	78-1621-01					
	3	St'n St'l	78-1622-01					
	4	St'n St'l		78-1626-01				
	6 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
	8 *(F16)	St'n St'l			78-1638-01	78-1764-01	78-1765-01	
	10 *(F25)	St'n St'l						78-1640-01
	12 *(F25)	St'n St'l						78-1640-01

NOTES:

1. Gear operator, handwheel & mounting kit must be ordered separate.
2. Gear operators for valve sizes shown are recommended sizes for most applications. High torque applications may require other gear operators.
3. DT-36DM is a special configuration designed to fit only on 87A,88A-20G,20H valves with mounting kit 78-1640-01.

OPTIONAL HANDWHEELS

Part Number	Handwheel Diameter	GEAR OPERATOR
HW-CR06-00	6"	6" Thru 18" O.D. .625" HUB BORE DIA. handwheels for DT3 & DT7 only
HW-CR08-00	8"	
HW-RR10-00	10"	
HW-RR12-00	12"	
HW-RR14-00	14"	
HW-RR16-00	16"	
HW-RR17-00	18"	
HW-RR13-00	12"	12" Thru 48" O.D. 1.00" HUB BORE DIA. handwheels for DT12, DT21 & DT36 only
HW-RR18-00	18"	
HW-RR20-00	20"	
HW-RR24-00	24"	
HW-RR30-00	30"	
HW-RR36-00	36"	
HW-RR48-00	48"	

GEAR OPERATORS		HANDWHEELS		HANDWHEEL
MODEL NUMBER	CII PART NO.	DIAMETER	CII PART NO.	LOCKING DEVICE
DT3	DT-0003-00	8"	HW-CR08-00	DT-0003-LD
DT7	DT-0007-00	12"	HW-RR12-00	DT-0007-LD
DT12	DT-0012-00	18"	HW-RR18-00	DT-0012-LD
DT21	DT-0021-00	18"	HR-RR18-00	DT-0021-LD
DT36DM	DT-0036-DM	24"	HW-RR24-00	DT-0036-LD

Note: *(F16) or (F25) is for ISO mounting pad size reference only.

APOLLO VALVES - 141/143, LD141/WD141 SERIES BFV's																					
Valve Series	Valve Size (inches)	0012	0025	063 11mm F04 F05-F07	0040/0065 14mm F05-F07	0100/0150 19mm F07-F10	0200 22mm F07-F10	0350 27mm F10	0600 27mm	0950 36mm F10-F14	1600/2500 46mm F16	4000 55mm F16-F25	0A3 0A8 0A15	AT25	AT50	AT80	AT100	AT200	BT100	G10 Series	G20 Series
141/143 LD141/WD141	2		CX04583	CX04521	CX04516	CX03564							CX03575								
	2.5		CX04583	CX04521	CX04516	CX03564							CX03575								
	3		CX04583	CX04521	CX04516	CX03564							CX03575								
	4				CX04537	CX03389	CX03353						CX03055	CX04313							
	5				CX04533	CX03919	CX03917						CX03577	CX04073							
	6				CX04533	CX03919	CX03917						CX03577	CX04073							
	8					CX04536	CX03920						CX03578	CX03847							
	10						CX03922	CX04502	CX04502					CX03867	CX03848				CX04314		
	12						CX03936	78-2318-01	78-2318-01	CX04632	78-2616-01				CX03849		78-2658-01		CX04315		
	14							78-2318-01	78-2318-01	CX04632	78-2616-01				CX03849				CX04315		
	16							CX04630	CX04630	CX04433					CX04204	CX03924			CX04317	CX04331	
	18																				
	20										CX04594	CX04619							CX04594		
	24																		CX04511	CX04193	CX04308
Direct Mount Kits Only																					
Valve Series	Valve Size (inches)	0012	0025	063 11mm F04 F05-F07	0040/0065 14mm F05-F07	0100/0150 19mm F07-F10	0200 22mm F07-F10	0350 27mm F10	0600 27mm	0950 36mm F10-F14	1600/2500 46mm F16	4000 55mm F16-F25	0A3 0A8 0A15	AT25	AT50	AT80	AT100	AT200	BT100	G10 Series	G20 Series
141/143 LD141/WD141	2																				
	2.5																				
	3																				
	4				78-2265-01																
	5					78-2314-01 ²	78-2314-01	78-2314-01													
	6					78-2268-01 ¹ 78-2314-01 ²	78-2314-01	78-2314-01													
	8					78-2288-01 ²	78-2288-01	78-2288-01	78-2288-01	78-2321-01											
	10									78-2292-01											
	12																				
	14																				
	16																				
	18																				
	20																				
	24																				
Valve Series	Valve Size (inches)	Electric Actuators																			
		AE Series ISO Mtg. 19mm F07	CS Series ISO Mtg. 19mm F05-F07	CL Series ISO Mtg. 22mm F07-F10																	
141/143 LD141/WD141	2	CX03564	CX03564																		
	2.5	CX03564	CX03564																		
	3	CX03564	CX03564																		
	4	CX03389	CX03389	CX03353																	
	5	CX03919	CX03919	CX03917																	
	6	CX03919		CX03917																	
	8	CX04536		CX03920																	
	10			CX03922																	
	12			CX03936																	
	14			CX03936																	
	16																				
	18																				
	20																				
	24																				

NOTE: ALL KITS USE STAINLESS HARDWARE AND STAINLESS BRACKETS.
ALL KITS LISTED ARE FOR DOUBLE "D" STEM CONFIGURATION ONLY.

1 - FITS 0100 ACTUATOR ONLY
2 - FITS 0150 ACTUATOR ONLY

HPBFV Class 150	Pneumatic Actuators																Electric Actuators			Gear Op
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	AT 100	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.		Female SQ.				
2"			78-2615-01	78-2558-01	78-2558-01	78-2558-01											78-2615-01	78-2615-01		
2-1/2"				78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01		78-2521-01
3"		78-2642-01		78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01		78-2521-01
4"			78-2268-01	78-2559-01	78-2559-01	78-2559-01											CX03919	CX03919	CX03917	CX03919
5"					78-2560-01	78-2560-01	78-2677-01										78-2522-01	78-2522-01		78-2522-01
6"				78-2560-01	78-2560-01	78-2560-01	78-2677-01											78-2522-01		78-2522-01
8"					78-2583-01		78-2561-01												78-2583-01	
10"								78-2524-01	78-2585-01						78-2599-01					
12"								78-2525-01	78-2578-01							78-2641-01				
14"																				
16"										78-2570-01										
18"										78-2570-01										
20"																				
24"																				

HPBFV Class 300	Pneumatic Actuators																Electric Actuators			Gear Op
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	AT 100	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.		Female SQ.				
2"				78-2558-01	78-2558-01	78-2558-01											78-2615-01	78-2615-01		
2-1/2"				78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01		78-2521-01
3"				78-2565-01	78-2565-01	78-2565-01											78-2521-01	78-2521-01		78-2521-01
4"			78-2268-01	78-2559-01	78-2559-01	78-2559-01											CX03919	CX03919	CX03917	CX03919
5"					78-2563-01	78-2563-01	78-2563-01										78-2673-01	78-2673-01		
6"					78-2563-01	78-2563-01	78-2563-01										78-2673-01	78-2673-01		
8"								78-2524-01	78-2585-01						78-2599-01					
10"								78-2525-01	78-2578-01							78-2641-01				
12"																				
14"										78-2570-01										
16"										78-2570-01										
18"																				
20"																				
24"																				

HPBFV Class 600	Pneumatic Actuators																Electric Actuators			Gear Op
	0025	0040/0065	0100	0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50		BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10	
	11mm F04	14mm F05-F07	19mm F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.		Female SQ.				
3"					78-2559-01	78-2559-01											CX03919		CX03917	CX03919
4"																				
6"								78-2525-01												
8"																				
10"										78-2570-01										
12"																				

Direct Mount Kit

For bracketed kits, refer to:

78-2521-01 2.5"/3" Class 150/300 to A0100/A0150
78-2522-01 5"/6" Class 150 to A0150/DT-3

ISO Bonnet TEV Valves																		
TEV Class 150/300		Pneumatic Actuators														Electric Actuators		
		0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10
		11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.	Female SQ.			
Standard Port	Full Port																	
1"		78-2081-01	78-1616-01	78-1619-01	78-1623-01						78-1616-MT	78-1619-MT	78-1623-MT			78-1619-01	78-1619-01	
1-1/2"	1"		78-1617-01	78-1620-01	78-1624-01		78-2484-01				78-1617-MT	78-1620-MT	78-1624-MT			78-1620-01	78-1620-01	78-1624-01
2"	1-1/2"		78-1618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT			78-1621-01	78-1621-01	78-1625-01
3"	2"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
4"	3"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
6"	4"			78-1972-01	78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01				78-1972-MT	78-1633-MT			78-1972-01
8"	6"				78-1972-01		78-1630-01	78-1633-01	78-1634-01	78-2280-01				78-1972-MT	78-1633-MT			
10"	8"								78-1635-01	78-2376-01								
12"									78-1635-01	78-2376-01								
	10"																	
	12"																	

TEV Class 600		Pneumatic Actuators														Electric Actuators		
		0025	0040/0065	0100/0150	0200	0350	0600	0950	1600/2500	4000	OA3	OA8, 15	AT 25	AT 50	BT 100	AE Series 19mm F07	CS Series 19mm F05-F07	CL Series (-B) 22mm F07-F10
		11mm F04	14mm F05-F07	19mm F07	22mm F07-F10	27mm F10	27mm	36mm F10-F14	46mm F16	55mm F16-F25	Female SQ.	Female SQ.	Female SQ.	Female SQ.	Female SQ.			
Standard Port	Full Port																	
1"			78-1617-01	78-1620-01	78-1624-01		78-2484-01				78-1617-MT	78-1620-MT	78-1624-MT			78-1620-01	78-1620-01	78-1624-01
1-1/2"	1"		781618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT			78-1621-01	78-1621-01	78-1625-01
2"	1-1/2"		781618-01	78-1621-01	78-1625-01	78-1629-01	78-1629-01				78-1618-MT	78-1621-MT	78-1625-MT			78-1621-01	78-1621-01	78-1625-01
3"	2"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**			78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
4"	3"			78-1622-01	78-1626-01	78-1630-01*	78-1630-01	78-1632-01	78-2517-01**	78-2614-01		78-1622-MT	78-1626-MT		78-1632-MT	78-1622-01	78-1622-01	78-1626-01
6"	4"				78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01				78-1972-MT	78-1633-MT			78-1972-01
8"	6"				78-1972-01		78-1631-01	78-1633-01	78-1634-01	78-2280-01				78-1972-MT	78-1633-MT			
	8"								78-1635-01	78-2376-01								

*For Heat Shield Kit use 78-2515-01

**For Heat Shield Kit use 78-2459-01

TEV Class 150/300		Manual Worm Gear Operators					
		DT3	DT7	DT12	DT21	DT36	DT36DM
		19mm F07	22mm F10	Bore/Key F12	Bore/Key F14		Bore/Key F16
Standard Port	Full Port						
1"		78-1619-01					
1-1/2"	1"	78-1620-01					
2"	1-1/2"	78-1621-01					
3"	2"	78-1622-01					
4"	3"		78-1626-01				
6"	4"			78-1638-01	78-1764-01	78-1765-01	
8"	6"			78-1638-01	78-1764-01	78-1765-01	
10"	8"						78-1640-01
12"							78-1640-01
	10"						
	12"						

TEV Class 600		Manual Worm Gear Operators					
		DT3	DT7	DT12	DT21	DT36	DT36DM
		19mm F07	22mm F10	Bore/Key F12	Bore/Key F14		Bore/Key F16
Standard Port	Full Port						
1"		78-1620-01					
1-1/2"	1"	78-1621-01					
2"	1-1/2"	78-1621-01					
3"	2"	78-1622-01					
4"	3"		78-1626-01				
6"	4"			78-1638-01	78-1764-01	78-1765-01	
8"	6"			78-1638-01	78-1764-01	78-1765-01	
	8"						78-1640-01

OPTIONAL HANDWHEELS			
Part Number	Handwheel Diameter	Gear Operator	
HW-CR06-00	6"	6" Thru 18" O.D. .625" Hub Bore Dia. Handwheels for DT3 & DT7 Only	
HW-CR08-00	8"		
HW-RR10-00	10"		
HW-RR12-00	12"		
HW-RR14-00	14"		
HW-RR16-00	16"		
HW-RR17-00	18"	12" Thru 48" O.D. 1.00" Hub Bore Dia. Handwheels for DT12, DT21, & DT36 Only	
HW-RR13-00	12"		
HW-RR18-00	18"		
HW-RR20-00	20"		
HW-RR24-00	24"		
HW-RR30-00	30"		
HW-RR36-00	36"		
HW-RR48-00	48"		

Notes:

1. Gear operator, handwheel, & mounting kit must be ordered separate.
2. Gear operators for valve sizes shown are recommended sizes for most applications. High torque applications may require other gear operators.
3. DT-36DM is a special configuration designed fit only on 87A, 88A-20G, 20H valves with mounting kit 78-1640-01.

Gear Operators		Handwheels		Handwheel
Model Number	CII Part Number	Diameter	CII Part No.	Locking Device
DT3	DT-0003-00	8"	HW-CR08-00	DT-0003-LD
DT7	DT-0007-00	12"	HW-RR12-00	DT-0007-LD
DT12	DT-0012-00	18"	HW-RR18-00	DT-0012-LD
DT21	DT-0021-00	18"	HR-RR18-00	DT-0021-LD
DT36DM	DT-0036-DM	24"	HW-RR24-00	DT-0036-LD

Special Mounting Kits or Special Applications				
Kit Number	Valve	Actuator	Accessories	Comments
78-2299-01	SSBB8A1	DT-3		Gear Op to 2" TEV
78-2298-01	SSBB0A2	DT-3		Gear Op to 3" TEV
78-2342-01	77D14301E	3R88402R		UF150 Unidirectional Act. From Rex Eng.
78-2557-01	87A10701	3R88904A (Rotork RomPak2)		
78-737-MT	82LF14801	3R88910A (Rotork RomPak3)		
78-2641-01	HPBFV 12"C150/10"C300	3RAT50AF		
78-2674-01	2" LD/WD	FQ04 (3RSF28A4AF)		
78-2675-01	230L18 HPBFV	DT-36		Recommend HWRR3600
78-2678-01	76AR, 1/4" - 1/2"	AE		4" extended bracket
78-2679-01	76AR, 3/4" - 1"	AE		4" extended bracket
78-2680-01	76AR, 1-1/2" - 3"	AE		4" extended bracket

Mounting Kit Part Number Log

			Initials
Date	Part Number Added	Page Number	
5/4/2016	78-2607-01, 78-2608-01	4, 6	
6/16/2016	78-2614-01	49	crp
10/18/2016	All AE/CS/CL electric actuators to ISO Bonnet TEVs	49	crp
10/28/2016	78-2640-01	7	crp
3/7/2017	78-2615-01 to 2" CL150 HPBFV for 0100 & AEs	48	crp
3/9/2017	78-2658-01 12-14"BFV to Bernard AT100 (3RAT50AF)	47	crp
3/13/2017	78-2641-01 for Bernard AT100 (3RAT50AF)	48	crp
4/6/2017	78-2559-01 4" CL150/300 HPBFV to A0150	48	crp
7/6/2017	Added kit 78-2670-01 & 78-2671-01	6	crp
7/24/2017	Added HPBFV kits	12	crp
8/21/2017	Added Special, 78-2674-01	14	crp
9/25/2017	Removed references to old style TEVs and actuators	All	crp
10/17/2017	Removed references to old actuator lines	All	crp
11/29/2017	78-2677-01	12	crp
1/5/2018	78-2681-01	1	crp