

Parker C-Series

Interchangeable Valve Series

Product Features:

- Create flexibility with Parker TXV's for Parker Customers
- Ensure Parker Customers always have the valve they need
- Simplify field construction of valves for refrigeration and air conditioning applications
- Wide range of applications, up to 8 tons air conditioning, 6 tons refrigeration
- Provide Parker superior quality on Thermostatic Expansion Valves
- Eliminate need to extend additional TXV product types
- Utilize existing C series (C, SC, EC) to create flexible bench program
- Provide valve bodies and elements separately to increase flexibility of inventory



Valve Bodies:

C

C-AA-1/4 X 1/2 SAE
C-A-3/8 X 1/2 SAE



CE

CE-AA-1/4 X 1/2 SAE
CE-A-3/8 X 1/2 SAE
CE-B-3/8 X 1/2 SAE
CE-C-3/8 X 1/2 SAE

SC

SC-AA-3/8 X 1/2
SC-A-3/8 X 1/2

SCE

SCE-AA-3/8 X 1/2
SCE-A-3/8 X 1/2
SCE-B-3/8 X 1/2
SCE-C-3/8 X 1/2



EC

EC-AA-3/8 X 1/2
EC-A-3/8 X 1/2

ECE

ECE-AA-3/8 X 1/2
ECE-A-3/8 X 1/2
ECE-B-1/2 X 5/8
ECE-C-1/2 X 7/8
ECE-D-5/8 X 7/8



Contact Information:

Parker Hannifin Corporation
Climate and Industrial Controls Group
2445 South 25th Avenue
Broadview, IL 60155 USA
phone 800 742 2681
fax 800 241 2872
cicaftermarket@parker.com

www.parker.com/coolparts

Elements	Refrigerant	Application
KT46 ZX200	R410A	Air conditioning
KT46 VX100	R22	Air conditioning
KT46 JW	R134a	All purpose liquid
KT46 SW	R404A / R507	All purpose liquid
KT46 VW	R22	All purpose liquid
KT46 JX60	R134a	Medium temp refrigeration
KT46 VX35	R22	Low temp refrigeration
KT46 SZ	R404A / R507	Low temp refrigeration
KT46 SX35	R404A / R507	Low temp refrigeration

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32010 / Form P-286A



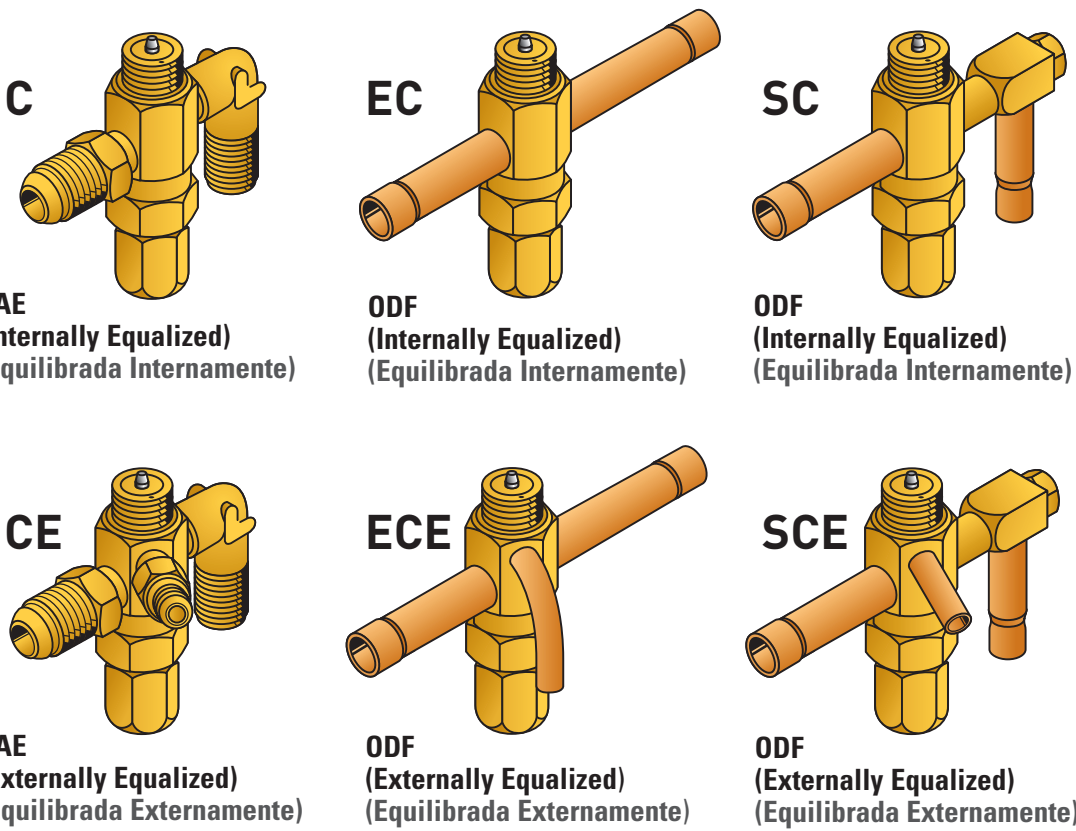
ENGINEERING YOUR SUCCESS.



C Series Interchangeable Valve

Series Válvulas de Elemento Intercambiable

Body Cuerpo



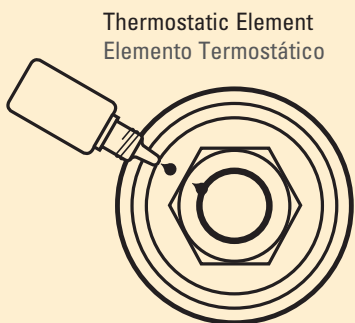
Nominal Capacity (Tons) Of Valve To Be Replaced Capacidad Nominal (Tons) De La Válvula a Reemplazar									Nominal Capacity Rating Capacidad Nominal
R-12	R-22, R-422D	R-134a	R-401A	R-402A	R-404A	R-410A	R-502	R-507	Size Tamaño
1/6 – 1/4	1/3 – 1/2	1/6 – 1/4	1/6 – 1/4	1/6 – 1/4	1/6 – 1/4	1/3 – 1/2	1/6 – 1/4	1/6 – 1/4	AA
1/2 – 1	3/4 – 1½	1/2 – 1	1/2 – 1	1/2 – 1	1/2 – 1	3/4 – 1½	1/2 – 1	1/2 – 1	A
1 – 2	1½ – 3	1 – 2	1 – 2	1 – 2	1 – 2	1½ – 3	1 – 2	1 – 2	B
2 – 3	3 – 5	2 – 3	2 – 3	2 – 3½	2 – 3½	3 – 5	2 – 3½	2 – 3½	C
3 – 5	5 – 8	3 – 5	3 – 5	3½ – 6	3½ – 6	5 – 8	3½ – 6	3½ – 6	D

Component Assembly

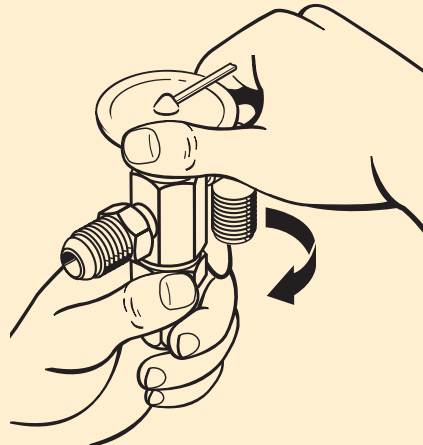
Ensamble de Componentes



- ① Select element suitable for application.
Seleccione el elemento para la aplicación.

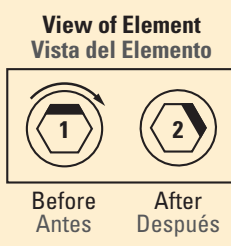
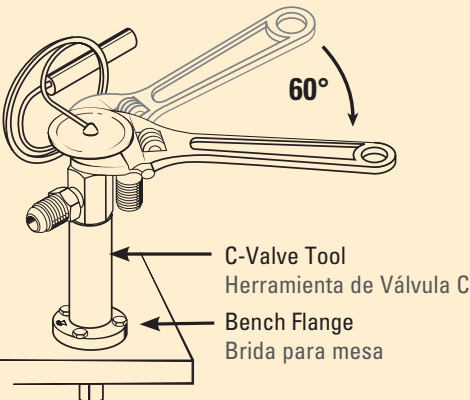
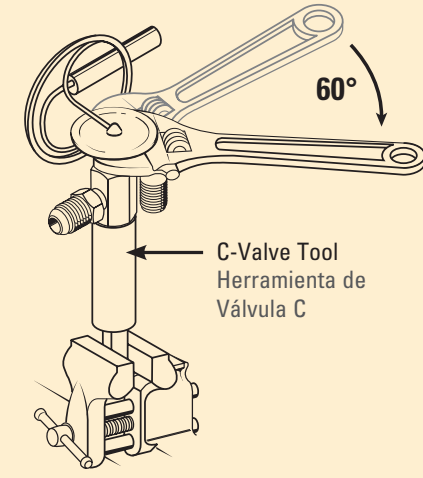


- ② (Oil) Lubricate lock ring surface.
Asegúrese de aceitar la superficie interna de la tuerca.



- ③ Hand tighten element.
Apriete manualmente el elemento.

- ④ After hand tight, turn element clockwise 60° (or movement equal to one hex flat).
Después de apretar manualmente, gire el elemento 60° en sentido horario (o movimiento igual a un lado del hexágono).

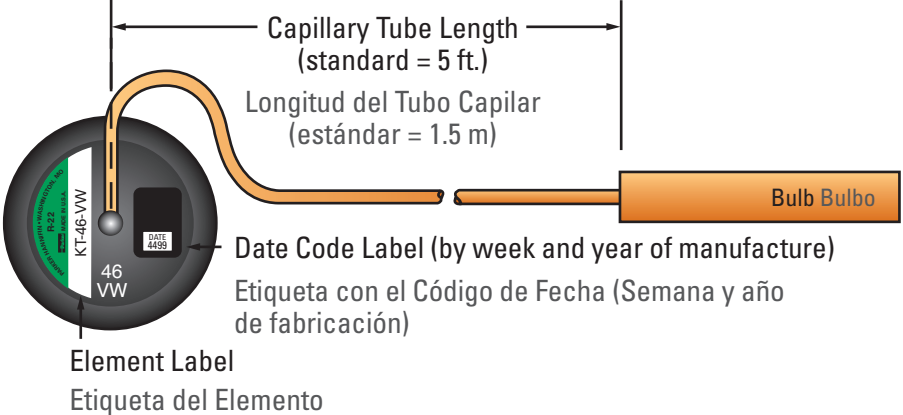


Element Elemento

Recommended Thermostatic Valve Charges Cargas Termostáticas Recomendadas					
Application Aplicacion	Applicable Evaporator Temperature Range Rango Aplicable de Temperatura de Evaporador	Refrigerants Refrigerante			
		22, 407C	12, 134a	502, 404A	410A
Low Temperature Refrigeration Refrigeración de Baja Temperatura	-40°F to 0°F -40°C to -20°C	–	–	SZ	–
Commercial Refrigeration Refrigeración Comercial	-30°F to +60°F -35°C to +15°C	VW	JW	SW	–
Low Temperature Pressure Limiting Limitante de Presion Para Baja Temperatura	-40°F to +0°F -40°C to -20°C	VX35	–	SX35	–
Commercial Pressure Limiting Limitante de Presion Para Refrigeración Comercial	-10°F to +60°F -25°C to +15°C	VX100	JX60	–	ZX200
Air Conditioning Aire Acondicionado	+30°F to +60°F 0°C to +15°C	VX100	JX60	–	ZX200
Heat Pump* Bombas de Calor	-10°F to +60°F -25°C to +15°C	VX100	–	–	ZX200

* Heat Pump application requires the addition of an external Check Valve.
En aplicaciones con Bombas de Calor se requiere la adición de una Válvula de Retención externa.

Charge Carga	May Also Be Used With: Compatible con:
JW, JX60	R-401A (MP39), R-401B (MP66), R-409A, R-414B
VX100	R-407C (AC9000), R-417A, R-421A, R-422B, R-422D, R-427A, R-438A
SW, SX35, SZ	R-402A (HP80), R-408A, R-422A, R-507
VW, VX35	R-407A, R-422B, R-422D, R-438A



KT	46	V	W
Abbreviation for "Kit" Abreviatura para "Kit"	Element Size Number Tamaño de Elemento	Refrigerant Code* Código de Refrigerante*	Thermostatic Charge Carga Termostática

* While many new refrigerants and refrigerant blends have a unique letter code, many use the same thermostatic element as the traditional refrigerant they replace. Refer to the table at right to select the correct thermostatic element.
Muchos refrigerantes nuevos y mezcla de refrigerantes tienen una letra como código único, sin embargo muchos utilizan el elemento termostático del refrigerante tradicional que reemplazan. Refiérase a la tabla a la derecha para seleccionar el elemento termostático correcto.