

Vickers® by Danfoss

Parts Manual

Flange Valves

AX459461434119en-000101

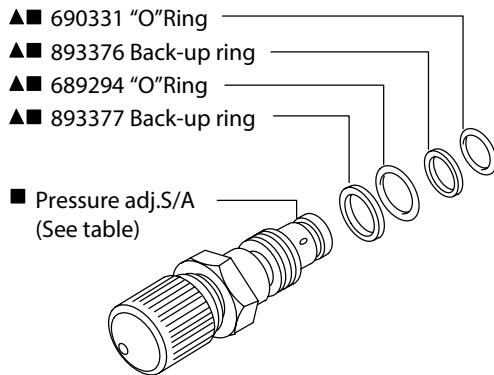


Flange Mounted Relief Valves

CPF1*-06/08/10/12-*-*-20

CODE	■ PRESSURE ADJ. S/A	MAX. PRESSURE bar (psi)
AW	02-140463	50 (725)
BW	02-140464	100 (1450)
FW	02-140465	207 (3000)
GW	02-140466	275 (4000)
AH	02-140467	50 (725)
BH	02-140468	100 (1450)
FH	02-140469	207 (3000)
GH	02-140470	275 (4000)
AK	02-140471	50 (725)
BK	02-140472	100 (1450)
FK	02-140473	207 (3000)
GK	02-140474	275 (4000)

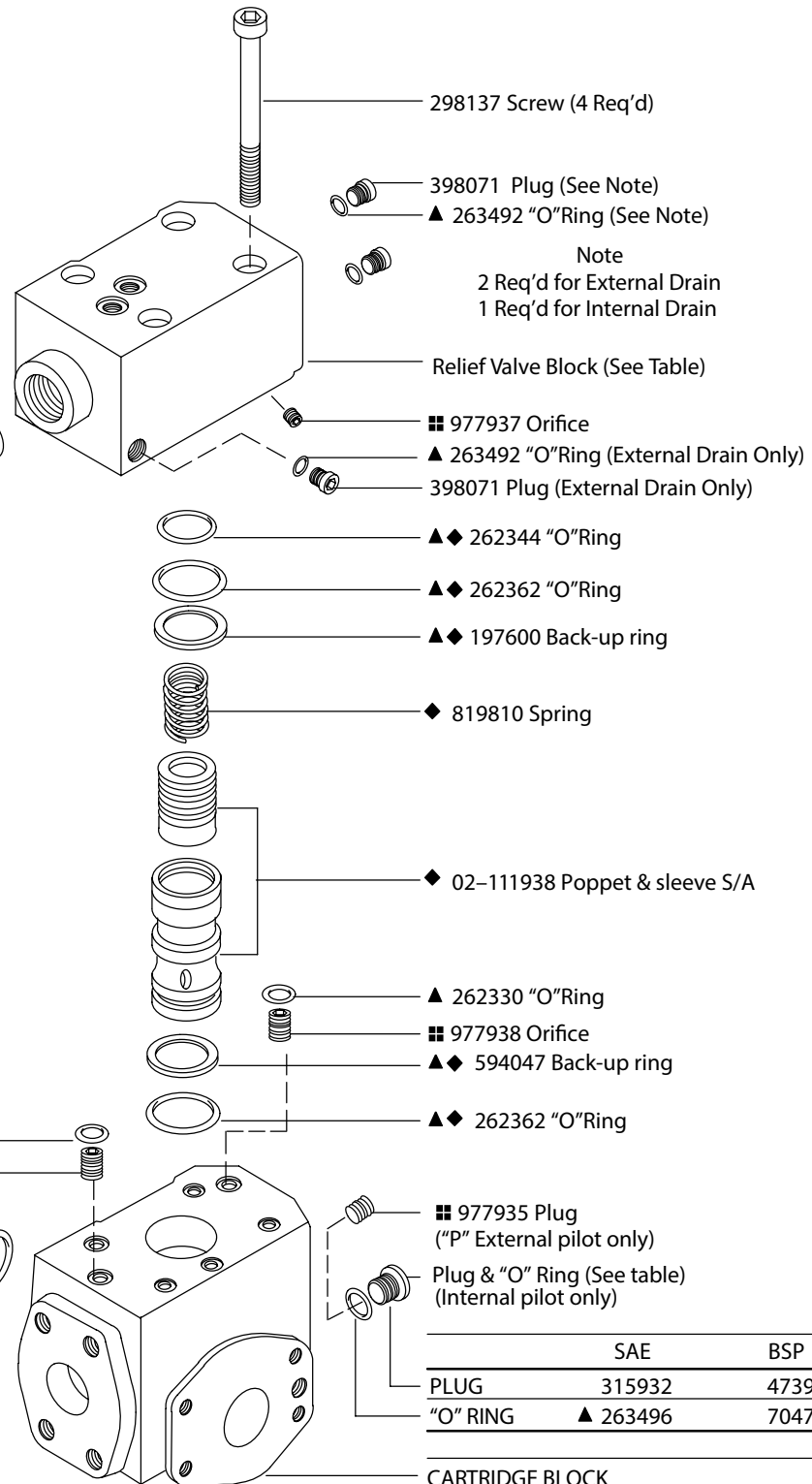
Torque S/A to 65–75 N.m (48–55 lb.ft.)



$\frac{5}{64}$ " Hex key req'd to
lock/unlock set screw

TORQUES		
Part	N.m	lb.ft.
298137	65–80	48.0–59.0
315932	29–32	21.3–23.6
398071	9.8–10.2	7.2–7.5
473919	29–32	21.3–23.6
977935		
977937	2–4	1.5–3.0
977938		

RELIEF VALVE BLOCK	
Internal Drain	02-155249
External Drain	02-301150 SAE
(Shown)	02-301151 BSP



- ▲ Included In Seal Kit 02-301166 (SAE)
- ▲ Included In Seal Kit 02-301167 (BSP)
- ◆ Included In Cartridge S/A
- Included In Press. Adj. S/A
- Bond in place with Loctite 222 or equivalent

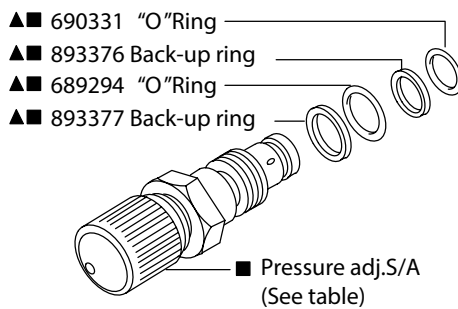
Parts prefixed with symbols available
only in kits.

	SAE	BSP
PLUG	315932	473919
O-RING	▲ 263496	704766

CARTRIDGE BLOCK		
SIZE	SAE	BSP
06	02-155245	02-155265
08	02-155247	02-155267

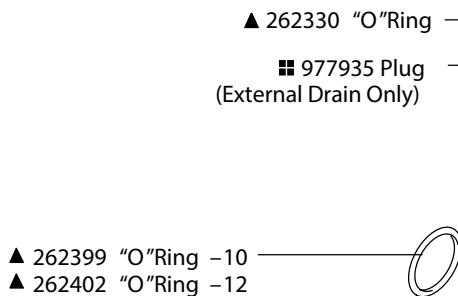
CPF1S/V –10/12

CODE	■ PRESSURE ADJ. S/A	MAX. PRESSURE bar (psi)
AW	02-140463	50 (725)
BW	02-140464	100 (1450)
FW	02-140465	207 (3000)
GW	02-140466	275 (4000)
		350 (5000)
AH	02-140467	50 (725)
BH	02-140468	100 (1450)
FH	02-140469	207 (3000)
GH	02-140470	275 (4000)
		350 (5000)
AK	02-140471	50 (725)
BK	02-140472	100 (1450)
FK	02-140473	207 (3000)
GK	02-140474	275 (4000)
		350 (5000)



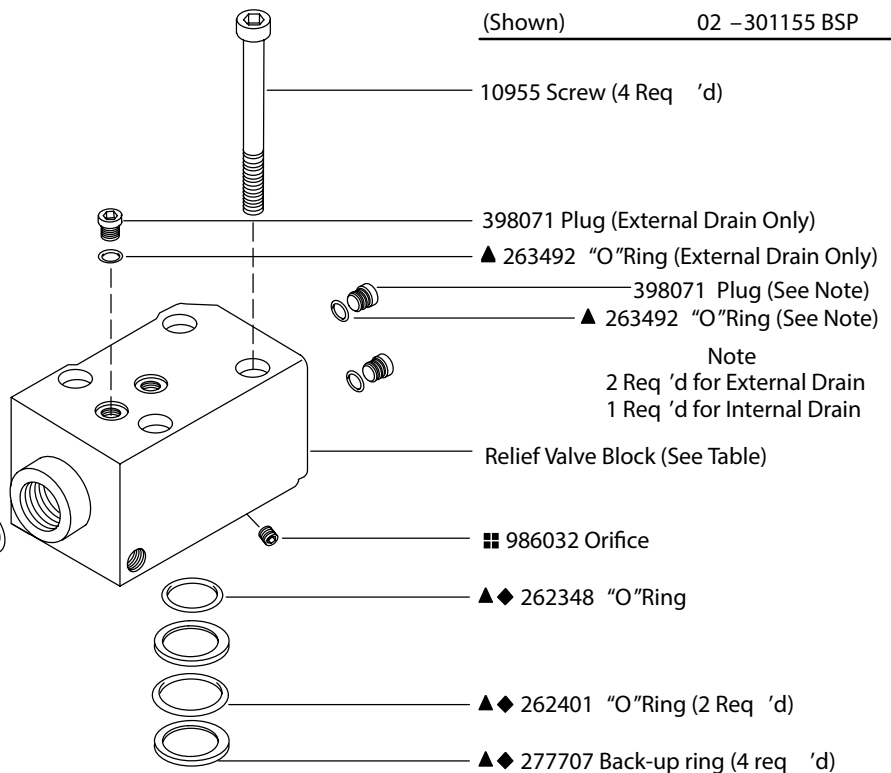
$\frac{5}{64}$ " Hex key req 'd to
lock/unlock set screw
Torque S/A to 65 –75 N.m (48 –55 lb.ft.)

TORQUES			
Part	N.m	lb.ft.	
10955	110–115	81.1–84.8	
315932	29–32	21.3–23.6	
398071	9.8–10.2	7.2–7.5	
473919	29–32	21.3–23.6	
873753			
977935	2–4	1.5–3.0	
986032			

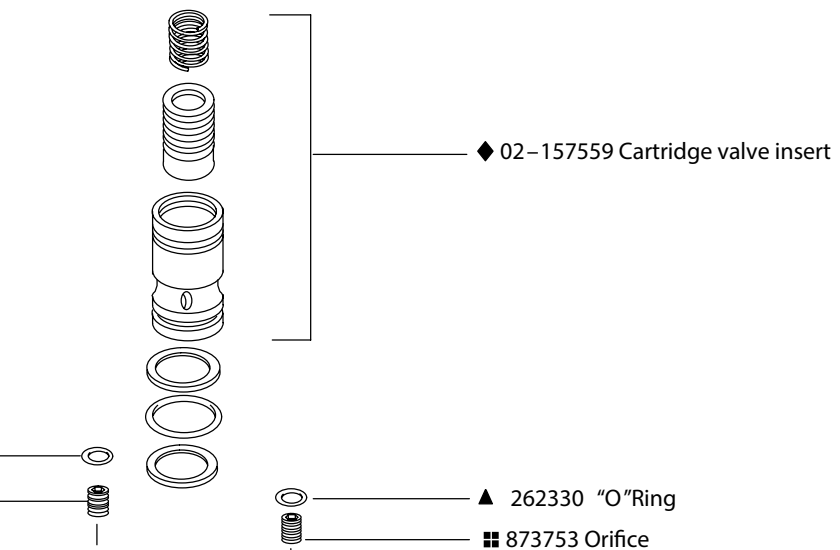


▲ Included In Seal Kit 02-301168 (SAE)
Included In Seal Kit 02-301169 (BSP)
◆ Included In Cartridge S/A
■ Included In Press. Adj. S/A
■ Bond in place with Loctite 222 or
equivalent
Parts prefixed with symbols
available only in kits.

RELIEF VALVE BLOCK	
Internal Drain	02 –155256
External Drain	02 –301154 SAE
(Shown)	02 –301155 BSP



Note
2 Req 'd for External Drain
1 Req 'd for Internal Drain

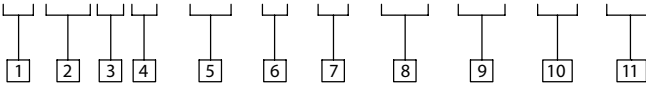


	SAE	BSP
PLUG	315932	473919
O-RING	▲ 263496	704766

CARTRIDGE BLOCK		
SIZE	SAE	BSP
10	02–155254	02–155269
12	02–155260	02–155850
V12	02–155263	02–155852

MODEL CODE BREAKDOWN

C PF 1 * - 06 - F - H - (B) - (P) - (1) - 20



1 Valve Function

C - Relief

2 Mounting Type

PF - Pump flange mounting

3 Unit type

1 - Single pressure without vent

4 Flange Type

S - SAE J518C 4-bolt flange standard series code 61 (All sizes)

V - SAE J518C 4-bolt high pressure code 62 (12 size only)

5 Valve Size

06 - 3/4 inch

08 - 1 inch

10 - 1 1/4 inch

12 - 1 1/2 inch

6 Maximum Pressure Adjustment

A - 50 bar (725 psi)

B - 100 bar (1450 psi)

F - 207 bar (3000 psi)

G - 275 bar (4000 psi)

350 bar (5000 psi) -
(CPF*V-12 models only)

7 Control Type

W - Screw adjust with locknut

H - Handknob adjust without key

K - Micrometer adjust with keylock

8 Thread Type

(remote control/vent connection)

Blank - SAE-6 O -ring boss port
(.5625-18 UNF-2B thd.)

B - BSP-G 1/4 (1/4" BSPF)

9 Remote Pilot

Blank - Internal pilot

P - External pilot

10 Remote Drain

Blank - Internal drain

1 - External drain

11 Design Number

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- Cartridge valves
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