



Flange Mounted Pressure Control Valves

CPF3*-08/10/12-*-*-20 Bi-Pressure with Maximum Pressure Override

CPF4*-08/10/12-*-*-20 Tri-Pressure

CPF3/4S-06/08

CODE	■ PRESSURE ADJ. S/A Head 1,2 & 3	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.)

- ▲ 690331 "O"Ring
- ▲ 893376 Back-up ring
- ▲ 689294 "O"Ring
- ▲ 893377 Back-up ring

Head #3

5/64" Hex key req 'd
to lock/unlock
set screw

- ▲ 262344 "O"Ring
- ▲ 197600 Back-up ring
- ◆ 819810 Spring

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		

- ▲ 262330 "O"Ring
- 977935 Plug
(External Drain Only)

- ▲ 262393 "O"Ring -06
- ▲ 262398 "O"Ring -08

Cartridge block
(See table)

- ▲ Included In Seal Kit 02-301166 (SAE)
- Included In Seal Kit 02-301167 (BSP)

- Bond in place with Loctite 222 or equivalent

Parts prefixed with symbols
available only in kits.

RELIEF VALVE BLOCK

Internal Drain	02 -155251
External Drain	02 -301152 SAE
(Shown)	02 -301153 BSP

298137 Screw (4 Req 'd)

398071 Plug (2 Req 'd)

▲ 263492 "O"Ring (2 Req 'd)

Relief Valve Block (See table)

■ 977937 Orifice
02-303846 Body
& Plug S/A

Head #2

Head #1

Use DG4V3(S)-0C-***-60 for CPF3
Use DG4V3(S)-2C-***-60 for CPF4
Refer to I -3886-S for pilot valve
parts breakdown
675148 Pilot Valve Attaching Screws
(4 req 'd) (Ref.)
Torque 4.5 -5.7 N.m (3.3 -4.2 lb.ft.)

◆ 02-111938 Poppet & sleeve S/A

▲ 262330 "O"Ring

■ 977938 Orifice

▲ 594047 Back-up ring

▲ 262362 "O"Ring (2 Req 'd)

■ 977935 Plug
("P" External pilot only)

Plug & "O"Ring (See table)
(Internal pilot only)

	SAE	BSP
Plug	315932	473919
"O" Ring	▲ 263496	704766

CARTRIDGE BLOCK

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

CPF3/4* –10/12

CODE	■ PRESSURE	MAX.
	ADJ. S/A Head 1, 2, 3	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)

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

▲ 689294 "O"Ring

▲ 893377 Back-up ring

■ Pressure adj. S/A
(See table)

Head #3

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

◆ 02-157559 Cartridge valve insert

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		

▲ 262401 "O"Ring (2 Req 'd)

▲ 277707 Back-up ring (4 Req 'd)

▲ 262330 "O"Ring

■ 977935 Plug (External Drain Only)

▲ 262399 "O"Ring –10

▲ 262402 "O"Ring –12

▲ 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 –155258
External Drain	02–301156 SAE
	02–301157 BSP

10955 Screw (4 Req 'd)

398071 Plug

▲ 263492 "O"Ring

398071 Plug (2 Req 'd)

▲ 263492 "O"Ring (2 Req 'd)

Relief Valve Block (See table)

■ 986032 Orifice

02–303846 Body
& Plug S/A

Head #2

Head #1

Use DG4V3(S) –0C –***–60 for CPF3

Use DG4V3(S) –2C –***–60 for CPF4

Refer to I –3886–S for pilot valve
parts breakdown

675148 Pilot Valve Attaching
Screws

(4 req 'd) (Ref.)

Torque 4.5 –5.7 N.m (3.3 –4.2 lb. ft.)

▲ 262330 "O"Ring

■ 873753 Orifice

■ 977935 Plug
("P" External pilot only)

Plug & "O"Ring (See table)
(Internal pilot only)

	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

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