



Flange Mounted Relief Valves with Vent

CPF2*-06/08/10/12-*-*-20

CPF2S-06/08

CODE	■ PRESSURE ADJ. S/A	MAX. PRESSURE bar (psi)
AW	02-140463	50 (725)
BW	02-140464	100 (1450)
FWG	02-140465	207 (3000)
W	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

■ Pressure adj. S/A
(See table)

▲ 262344 "O"Ring

▲ 262362 "O"Ring

▲ 197600 Back-up ring

◆ 819810 Spring

$\frac{5}{64}$ " 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		

▲ 262330 "O"Ring

■ 977935 Plug

(External Drain Only/
See Caution Note** on next page)

▲ 262393 "O"Ring -06

▲ 262398 "O"Ring -08

▲ 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.

RELIEF VALVE BLOCK

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

298137 Screw (4 Req'd)

Relief Valve Block (See table)

398071 Plug

▲ 263492 "O"Ring (2 Req'd)

■ 977937 Orifice

▲ 263492 "O"Ring

398071 Plug

DG4V3(S)-0BL-***-60

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

473728 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

■ 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

CPF2S/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)

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
- Pressure adj. S/A (See table)

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

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		

- ▲ 262330 "O"Ring
- 977935 Plug (External Drain Only/See Caution Note**)

- ▲◆ 262401 "O"Ring (2 Req'd)

- ▲◆ 277707 Back-up ring (4 req'd)

- ▲ 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
(Shown)	02–301157 BSP

- 10955 Screw (4 Req'd)

- 398071 Plug

- ▲ 263492 "O"Ring

- 398071 Plug

- ▲ 263492 "O"Ring (2 Req'd)

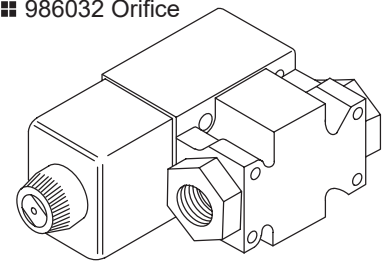


**CAUTION

Remove External Drain Plug 977935 when installing Internal Drain Relief Valve Block.

- Relief Valve Block (See table)

- 986032 Orifice



DG4V3(S)-0BL-***-60

Refer to I-3886-S for pilot valve parts breakdown
473728 Pilot Valve Attaching Screws (4 req'd) (Ref.)
Torque 4.5–5.7 N.m (3.3–4.2 lb. ft.)

- ◆ 02-157559 Cartridge valve insert

- ▲ 262330 "O"Ring

- 873753 Orifice

- 977935 Plug ("P" External pilot only)

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

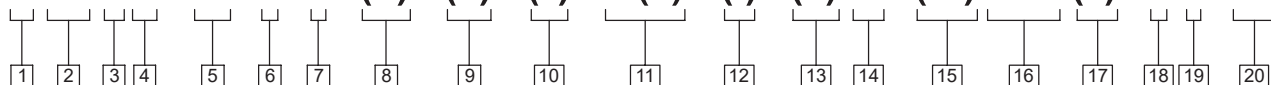
	SAE	BSP
PLUG	315932	473919
"O"RING	▲ 263496	704766

CARTRIDGE BLOCK

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

MODEL CODE BREAKDOWN

C PF 2 * - 06 - * - * - (B) - (P) - (1) - 3 (S) - (*) - (V) M - (S*) *** (L) - * * - 20**



1 Valve Function

C - Relief

2 Mounting Type

PF - Pump flange mounting

3 Unit Type

2 - Single pressure with 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) - (CPF2V-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)
Pilot Valve Mounting Threads
Blank - 10-24 UNC-2B
B - M5-6H x 12

9 Remote Pilot

Blank - Internal pilot
P - External pilot

10 Remote Drain

Blank - Internal drain
1 - External drain

11 Vent Valve

3 - Standard performance
3S - High performance - uses OBL type spool/spring arrangement; other features are optional. Refer to Vickers Service literature I-3886-S.

12 Manual Override Options

13 Solenoid Energization Identification

14 Electrical Options Flag

15 Spool Position Monitoring Switch

16 Solenoid Type/Electrical Connections

17 Indicator Lights

18 Coil Identification

19 Tank Rating Pressure

2 - 10 bar (145 psi) for spool position indicator models.
5 - 100 bar (1450 psi) for standard performance models, DG4V-3(S), with AC or DC solenoids.
6 - 210 bar (3045 psi) for high performance models, DG4V-3, with AC solenoids.
7 - 210 bar (3045 psi) for high performance models, DG4V-3 with DC solenoids.

20 Design Number

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