



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)

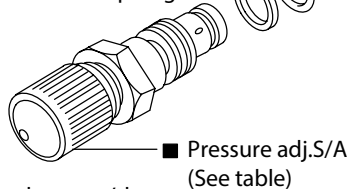
Torque S/A to 65 -75 N.m (48 -55 lb.ft.)

▲ 690331 "O"Ring

▲ 893376 Back-up ring

▲ 689294 "O"Ring

▲ 893377 Back-up ring



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)

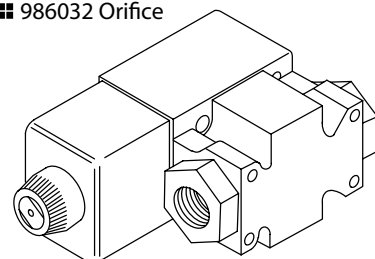


****CAUTION**

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)

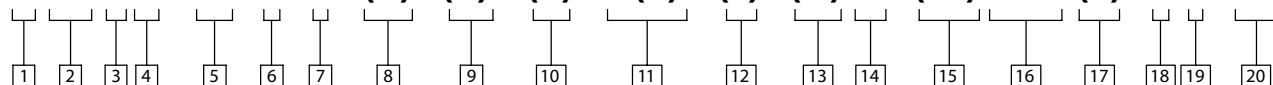
	SAE	BSP
PLUG	315932	473919
"O"RING	▲ 263496	704766

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 - $\frac{3}{4}$ inch

08 - 1 inch

10 - 1 $\frac{1}{4}$ inch

12 - 1 $\frac{1}{2}$ 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 $\frac{1}{4}$ (1 $\frac{1}{4}$ " 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 by Danfoss 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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