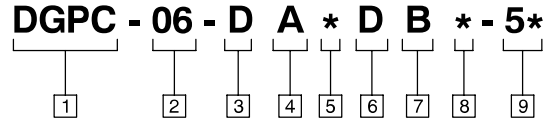


# Pilot Operated Check Module

## Model Code



### 1 Pilot Operated Check Module

X - Direct operated

### 2 Module Size

06 - 3/4 inch

### 3 "D" Decompression Feature

Blank if not required.

### 4 Check in Cyl. "A" Port

### 5 Check Valve Cracking Pressure

Blank for standard 2 bar (30 psi) cracking pressure. Other cracking pressures are available upon request.

### 6 "D" Decompression Feature

Blank if not required.

### 7 Check in Cyl. "B" Port

### 8 Check Valve Cracking Pressure

Blank for standard 2 bar (30 psi) cracking pressure. Other cracking pressures are available upon request.

### 9 Design Number

Subject to change. Installation dimensions remain as shown for designs 50 through 59.

## General Data

These modules are available with a check valve in either one or both cylinder ports. They are arranged for free flow out of the DG\*S-8 directional valve.

For return flow, one check can be unseated by a common striker piston mounted co-axially between the two checks; this happens when internal pressure on one side is sufficient to cause the striker piston to open the check valve on the opposite side. In a neutral condition (with cylinder ports open to tank at the directional valve) compression springs will seat the checks and the machine actuator will be held stationary.

A small decompression poppet which opens before the main check valve is available. Add the letter "D" as shown in the model code.

## Application

### Directional Valve

Directional valve types with cylinder ports open to tank in center position are recommended. (Spool types 0, 6, 9 and 33). The DGPC module is not usable with pressure centered or DG18S-8 air operated valves.

### Drain

Drain connection "Y" must be piped directly to tank through a surge free line so there will be no back pressure at the valve drain port. Transient pressure must not exceed 0,35 bar (5 psi).

### Note

When using pilot operated check modules, it is desirable to include a flow control module (DGFN-06) to impose a greater back pressure on the cylinder than the load generates to avoid chattering.

## Pressure Drop

Through the module at 132 l/min (35 USgpm) and 21 cSt (100 SUS) is 7 bar (100 psi) not including the check cracking pressure (total drop P to A plus B to T).

## Ratings

Max. flow (rec.) 227 l/min (60 USgpm)

Max. inlet pres. 210 bar (3000 psi)

Opening ratios:

Decompression poppet 34.1:1

Check 02.2:1

Cracking pressures:

Each check (standard) 2 bar (30 psi)

(Other cracking pressures are available on request.)

## Weight

DGPC-06 . . . . . 13,2 kg (29 lbs.)

# DGPC-06 Pilot Operated Check Installation

Dimensions shown in millimeters (inches)

