

# CATFORD ENGINEERING PRODUCTS

Jamestown  
SA 5491

All Prices Excluding GST

Phone: 0418 641 566

[www.catford.com.au](http://www.catford.com.au)   [sales@catford.com.au](mailto:sales@catford.com.au)

**VICKERS** CETOP VALVES



Please call or email for prices and availability.

# CATFORD ENGINEERING PRODUCTS

**Jamestown**  
**SA 5491**



| Make          | Model                             | Page |
|---------------|-----------------------------------|------|
| Eaton Vickers | Spool Selection Chart             | 92   |
| Eaton Vickers | Standard Coils                    | 92   |
| Eaton Vickers | Cetop 3 High Performance          | 93   |
| Eaton Vickers | Cetop 3 Compact                   | 94   |
| Eaton Vickers | Cetop 3 Modular Stack             | 95   |
| Eaton Vickers | Cetop 3 Manual Control            | 97   |
| Eaton Vickers | Cetop 3 Pneumatic Piloted Control | 97   |
| Eaton Vickers | Cetop 5 High Performance          | 98   |
| Eaton Vickers | Cetop 5 Modular Stack             | 99   |

**Charles:**

**Mobile** 0418 641 566

**Email** sales@catford.com.au

**Web** www.catford.com.au

Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.

Please contact us to confirm pricing.

# VICKERS CETOP VALVES



## Cetop Spool Selection Chart

| Type A and B Spool |  | Type C Spool Offsets                    |  | Type AL and BL Spool Offsets |  |
|--------------------|--|-----------------------------------------|--|------------------------------|--|
|                    |  |                                         |  |                              |  |
| 0A                 |  | 0C                                      |  | 0AL                          |  |
| 2A                 |  | 2C                                      |  | 2AL                          |  |
| 22A                |  | 6C                                      |  | 22AL                         |  |
| 24A                |  | 7C                                      |  | 24AL                         |  |
| 0B                 |  | 22C                                     |  | 0BL                          |  |
| 2B                 |  | 33C                                     |  | 2BL                          |  |
| 6B                 |  | 52C                                     |  | 6BL                          |  |
| 7B                 |  | 56C                                     |  | 7BL                          |  |
| 22B                |  | 8C                                      |  | 22BL                         |  |
| 33B                |  | NB ▲ Indicates Transient Condition Only |  | 33BL                         |  |
| 521B               |  |                                         |  | 52BL                         |  |
| 561B               |  |                                         |  | 56BL                         |  |
| 8B                 |  |                                         |  | 8BL                          |  |

Note: Not all spool options listed above are available ex stock. However, we can order these in on an indent basis. Please contact THW for more information.



## Standard Coils Quick Reference



| Voltage | Coil Code | DG4V-3 High Performance |                 | DG4V-3C Compact |            | DG4V-5    |                 |
|---------|-----------|-------------------------|-----------------|-----------------|------------|-----------|-----------------|
|         |           | 60 Design               | Price (Ex. GST) | 60 Design       | List Price | 20 Design | Price (Ex. GST) |
| 24VAC   | NN        | 865835                  | \$209.00        | -               | -          | 458502    |                 |
| 110VAC  | A         | 507825                  | \$209.00        | -               | -          | 617475    |                 |
| 240VAC  | ED        | 507827                  | \$209.00        | -               | -          | 617477    |                 |
| 12VDC   | G         | 507847                  | \$220.00        | 6039765-001     | \$32.00    | 617470    |                 |
| 24VDC   | H         | 507848                  | \$220.00        | 6039764-001     | \$32.00    | 617471    |                 |
| 48VDC   | OJ        | 865882                  | \$220.00        | -               | -          | 457942    |                 |



## Cetop 3 High Performance Solenoid Valves

**DG4V - 3 - 6 C -(V) M - U - A 6 - 60**

1 2 3 4 5 6 7 8 9 10

1. Model Series
2. High Performance
3. Spool Type
4. Operation Code
  - A - Spring offset (end-end)
  - B - Spring offset (centre-end)
  - C - Spring centred (2 coils)
  - N - no springs, detent (2 coils)
  - L - Left hand build
5. Omit
  - Solenoid A is on Port B, Solenoid B is on Port A
  - V - Solenoid A is on Port A, Solenoid B is on Port B. Standard on 8C Valve
6. Denotes Solenoid Valve
7. DIN 43650 type wiring
8. Voltage
  - A - 110VAC 50Hz
  - ED - 240VAC 50Hz
  - G - 12VDC
  - H - 24VDC
9. Tank Pressure
  - 6 - 210 bar for AC coils
  - 7 - 210 bar for DC coils
10. Design code

| Cetop Size | Max pressure (bar) | Max tank pressure (bar) | Max flow rate (lpm)* | IP rating |
|------------|--------------------|-------------------------|----------------------|-----------|
| 3          | 350                | 210                     | 80*                  | 65        |

| Din Connectors |                    | Price (Ex. GST) |
|----------------|--------------------|-----------------|
| Type           | Part Number        |                 |
| Std            | OD.01.69.01.000000 |                 |
| LED AC         | 43650AC            |                 |
| LED DC         | 43650DC            |                 |

\*Note: Flow rates and pressures drop vary with spool type, flow path, and or coil options. Consult catalogue for more information.

| Part Number | Description           | Voltage | Coil Part Number | Qty of Coils | Weight (kg) | Schematic | Price (Ex. GST) |
|-------------|-----------------------|---------|------------------|--------------|-------------|-----------|-----------------|
| 859200      | DG4V-3-0A-M-U-A6-60   | 110VAC  | 507825           | 1            | 1.6         |           |                 |
| 870092      | DG4V-3-0A-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 869858      | DG4V-3-0A-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 869575      | DG4V-3-0A-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 859195      | DG4V-3-0B-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 859479      | DG4V-3-0B-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 859168      | DG4V-3-0B-M-U-G7-60   | 12VDC   | 507847           | 2            | 2.2         |           |                 |
| 859160      | DG4V-3-0B-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 859197      | DG4V-3-0C-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 859199      | DG4V-3-0C-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 869576      | DG4V-3-0C-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 859162      | DG4V-3-0C-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 529763      | DG4V-3-2A-M-U-A6-60   | 110VAC  | 507825           | 1            | 1.8         |           |                 |
| 859171      | DG4V-3-2A-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 859189      | DG4V-3-2A-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 529762      | DG4V-3-2A-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 859208      | DG4V-3-2B-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 869944      | DG4V-3-2B-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 859204      | DG4V-3-2B-M-U-G7-60   | 12VDC   | 507847           | 2            | 2.2         |           |                 |
| 859210      | DG4V-3-2B-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 529761      | DG4V-3-2C-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 859173      | DG4V-3-2C-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 859212      | DG4V-3-2C-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 529760      | DG4V-3-2C-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 529765      | DG4V-3-2N-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 869939      | DG4V-3-2N-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 889962      | DG4V-3-2N-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 529764      | DG4V-3-2N-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 859177      | DG4V-3-6C-M-U-A6-60   | 110VAC  | 507825           |              |             |           |                 |
| 859179      | DG4V-3-6C-M-U-ED6-60  | 240VAC  | 507827           |              |             |           |                 |
| 859165      | DG4V-3-6C-M-U-G7-60   | 12VDC   | 507847           |              |             |           |                 |
| 565465      | DG4V-3-6C-M-U-H7-60   | 24VDC   | 507848           |              |             |           |                 |
| 02-144961   | DG4V-3-8C-VM-U-A6-61  | 110VAC  | 507825           | 2            | 2.2         |           |                 |
| 02-311543   | DG4V-3-8C-VM-U-ED6-61 | 240VAC  | 507827           |              |             |           |                 |
| 02-144957   | DG4V-3-8C-VM-U-G7-61  | 12VDC   | 507847           |              |             |           |                 |
| 02-145162   | DG4V-3-8C-VM-U-H7-61  | 24VDC   | 507848           |              |             |           |                 |

Note: Bolts are sold separately, Part Number: 616452, List Price: \$32.00 M5 x 30mm SHCS.



# VICKERS CETOP VALVES



Vickers

## Cetop 3 Compact Solenoid Valves



1. Model Series
2. Standard Performance
3. Spool Type
4. Operation Code
  - A - Spring offset (end-end)
  - B - Spring offset (centre-end)
  - C - Spring centred (2 coils)
  - N - no springs, detent (2 coils)
  - L - Left hand build
5. Omit
  - Solenoid A is on Port B, Solenoid B is on Port A
  - V - Solenoid A is on Port A, Solenoid B is on Port B. Standard on 8C Valve

6. Denotes Solenoid Valve
7. DIN 43650 type wiring
8. Voltage
  - G - 12VDC
  - H - 24VDC
9. Tank Pressure
  - 5 - 100 bar
10. Design code

| Cetop Size | Max pressure (bar) | Max tank pressure (bar) | Max flow rate (lpm*) | IP rating |
|------------|--------------------|-------------------------|----------------------|-----------|
| 3          | 350                | 210                     | 40*                  | 65        |

| Din Connectors |                    | Price (Ex. GST) |
|----------------|--------------------|-----------------|
| Type           | Part Number        |                 |
| Std            | OD.01.69.01.000000 |                 |
| LED AC         | 43650AC            |                 |
| LED DC         | 43650DC            |                 |

\*Note: Flow rates and pressures drop vary with spool type, flow path, and or coil options. Consult catalogue for more information.

| Part Number | Description          | Voltage | Coil Part Number | Qty of Coils | Weight (kg) | Schematic | Price (Ex. GST) |
|-------------|----------------------|---------|------------------|--------------|-------------|-----------|-----------------|
| 6040739-001 | DG4V-3C-0A-M-U-G5-60 | 12VDC   | 6039765-001      | 1            | 1.8         |           |                 |
| 6040347-001 | DG4V-3C-0A-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6040745-001 | DG4V-3C-0B-M-U-G5-60 | 12VDC   | 6039765-001      | 1            | 1.8         |           |                 |
| 6047044-001 | DG4V-3C-0B-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6040743-001 | DG4V-3C-0C-M-U-G5-60 | 12VDC   | 6039765-001      | 2            | 2.2         |           |                 |
| 6040742-001 | DG4V-3C-0C-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6040749-001 | DG4V-3C-2A-M-U-G5-60 | 12VDC   | 6039765-001      | 1            | 1.8         |           |                 |
| 6040748-001 | DG4V-3C-2A-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6040739-001 | DG4V-3C-0A-M-U-G5-60 | 12VDC   | 6039765-001      | 1            | 1.8         |           |                 |
| 6040347-001 | DG4V-3C-0A-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6039701-001 | DG4V-3C-2C-M-U-G5-60 | 12VDC   | 6039765-001      | 2            | 2.2         |           |                 |
| 6039700-001 | DG4V-3C-2C-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |
| 6040768-001 | DG4V-3C-6C-M-U-G5-60 | 12VDC   | 6039765-001      |              |             |           |                 |
| 6040348-001 | DG4V-3C-6C-M-U-H5-60 | 24VDC   | 6039764-001      |              |             |           |                 |

Note: Bolts Kits are sold separately, Part Number: 616452, List Price: \$32 M5 x 30mm SHCS (for single stack valves).



Vickers



## Cetop 3 Modular Stack Valves

| Control Function      | Base Model | Check Direction | Control Flow / Location | Control Range | Adjust Type | Aux. Code    | Design Code |
|-----------------------|------------|-----------------|-------------------------|---------------|-------------|--------------|-------------|
| Single Relief         | DGMC-3     | N/A             | PT / AT / BT / AB       | A / B / C / G | W           | (B)          | 41          |
| Dual Relief           | DGMC2-3    | N/A             | AB / AT                 | A / B / C / G | W           | ***W-(B)     | 41          |
| Counterbalance        | DGMR-3     | N/A             | TA                      | A / B / C / F | W           | (B)          | 41          |
| Sequence              | DGMR1-3    | N/A             | PP                      | A / B / C / F | W           | (B)          | 41          |
| Reducing/ Relieving   | DGMX2-3    | N/A             | PP / PA / PB            | A / B / C / F | W           | B            | 41          |
| Single Check          | DGMDC-3    | X / Y           | P / T / A / B           | K / M / N     | N/A         | N/A          | 41          |
| Dual Check            | DGMDC-3    | Y               | A                       | K / M / N     | N/A         | BK / M / N   | 41          |
| Single Pilot Check    | DGMPC-3    | NO DECOMP       | AB / BA                 | K / M / N     | N/A         | N/A          | 41          |
| Double Pilot Check    | DGMPC-3    | NO DECOMP       | AB                      | K / M / N     | N/A         | DBAK / M / N | 41          |
| Single Flow Regulator | DGMFN-3    | X / Y / Z       | P / T / A / B           | 1 / 2         | W           | N/A          | 41          |
| Dual Flow Regulator   | DGMFN-3    | X / Y           | A                       | 1 / 2         | W           | B1 / 2W      | 41          |

### Check Directions

- X - Meter in (free flow away from actuator)
- Y - Meter out (free flow towards the actuator)
- Z - With out reverse check for DGMFN-3

### Control Flow / Location

- The two digit code for relief valves denotes the controlled oil flow from then to for example PT means P to T port
- The two digit code for pilot operated valves denotes the main location and the pilot source for example AB means in Line A but the pilot is coming from B
- A one digit code denotes the control location

### Aux. Code

With Dual controls, second function (opposite side) will be coded in the similar manner with 1st function. Single "B" represents gauge port option with G1/4

### Adjustment Type

- W - Screw + Locknut (Standard)
- H - Hand knob
- K - Micrometer with key lock

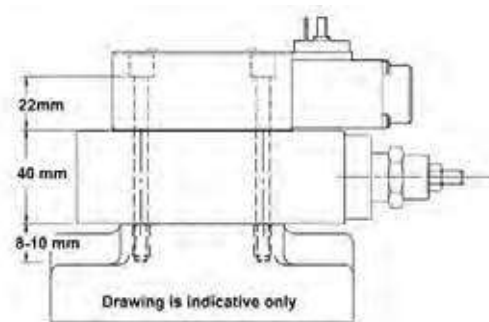
### Control Range

| Relief (and Dual Relief) | Other Pressure Controls | Check and Pilot Check | Flow Regulator                           |
|--------------------------|-------------------------|-----------------------|------------------------------------------|
| A - 3 - 50 bar           | A - 3 - 30 bar          | K - 1 bar             | 1 - Fine Control<br>(55lpm @ 60 bar)     |
| B - 3 - 100 bar          | B - 3.5 - 70 bar        | M - 2.5 bar           | 2 - Standard control<br>(55lpm @ 13 bar) |
| C - 10 - 200 bar         | C - 10 - 140 bar        | N - 5 bar             |                                          |
| G - 50 - 315 bar         | F - 20 - 250 bar        |                       |                                          |

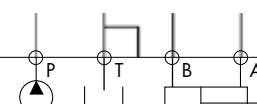
## Bolt Kits / Stud Kits

| No. of Modular Stack Valves | Bolt / Stud Length (mm) | Part Number | Price (Ex. GST) |
|-----------------------------|-------------------------|-------------|-----------------|
| 1                           | 70                      | 464125      |                 |
| 2                           | 110                     | 466840      |                 |
| 3                           | 150                     | 466844      |                 |

Notes: Each Modular Stack Valve is 40mm high  
Cetop 3 Valve depth = 22mm  
Subplate thread engagement 8 - 10 mm



| Part Number | Description   | Function                                   | Plate Thickness (mm) | Max Pressure (bar) | Aux. Code | Price (Ex. GST) |
|-------------|---------------|--------------------------------------------|----------------------|--------------------|-----------|-----------------|
| 466385      | DGMA-3-B-10   | Blanking Plate                             | 10                   | 315                |           |                 |
| 466386      | DGMA-3-C1-10  | Cross over plate<br>P to A, B to T         | 10                   | 315                |           |                 |
| 466387      | DGMA-3-C2-10  | Cross over plate<br>P to B, A to T         | 10                   | 315                |           |                 |
| 400733      | DGAM-3-01-10R | Adaptor Plate, Cetop 3<br>(top) to Cetop 5 | 21 (onto<br>Cetop 5) | 210                |           |                 |

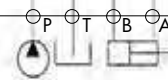


# VICKERS CETOP VALVES



## Cetop 3 Modular Stack Valves

| Part Number | Description            | Function                               |  | Height (mm) | Price (Ex. GST) |
|-------------|------------------------|----------------------------------------|--|-------------|-----------------|
| 869640      | DGMC-3-PT-BW-41        | Single Relief                          |  | 40          |                 |
| 694419      | DGMC-3-PT-CW-41        |                                        |  |             |                 |
| 869641      | DGMC-3-PT-GW-41        |                                        |  |             |                 |
| 02-108716   | DGMC-3-AT-GW-41        |                                        |  | 40          |                 |
| 869627      | DGMC2-3-AB-BW-BA-BW-41 | Dual Relief                            |  | 40          |                 |
| 869628      | DGMC2-3-AB-CW-BA-CW-41 |                                        |  |             |                 |
| 871708      | DGMC2-3-AB-GW-BA-GW-41 |                                        |  |             |                 |
| 870074      | DGMC2-3-AT-CW-BT-CW-4  |                                        |  | 40          |                 |
| 694415      | DGMDC-3-Y-PK-41        | Single Check                           |  | 40          |                 |
| 694416      | DGMDC-3-X-TK-4         |                                        |  | 40          |                 |
| 870024      | DGMPC-3-ABK-41         | Single Pilot Check                     |  | 40          |                 |
| 870023      | DGMPC-3-BAK-40         |                                        |  | 40          |                 |
| 694400      | DGMPC-3-ABK-BAK-41     | Dual Pilot Check                       |  | 40          |                 |
| 870041      | DGMFN-3-ZP1W-41        | Single Flow Control                    |  | 40          |                 |
| 870043      | DGMFN-3-ZP2W-41        |                                        |  |             |                 |
| 870042      | DGMFN-3-ZT1W-41        |                                        |  | 40          |                 |
| 02-108917   | DGMFN-3-X-A2W-41       | Single Flow Control with Reverse Check |  | 40          |                 |
| 694413      | DGMFN-3-X-A1W-B1W-41   | Dual Flow Control with Reverse Check   |  | 40          |                 |
| 694414      | DGMFN-3-X-A2W-B2W-41   |                                        |  |             |                 |
| 694411      | DGMFN-3-Y-A1W-B1W-41   |                                        |  | 40          |                 |
| 694412      | DGMFN-3-Y-A2W-B2W-41   |                                        |  |             |                 |
| 870031      | DGMX2-3-PA-BW-B-40     | Reducing / Relieving Valves            |  | 40          |                 |
| 870033      | DGMX2-3-PA-FW-B-40     |                                        |  |             |                 |
| 870267      | DGMX2-3-PB-CW-B-40     |                                        |  | 40          |                 |
| 870021      | DGMX2-3-PP-AW-B-40     |                                        |  | 40          |                 |
| 870036      | DGMX2-3-PP-BW-B-40     |                                        |  |             |                 |
| 870037      | DGMX2-3-PP-CW-B-40     |                                        |  |             |                 |
| 870038      | DGMX2-3-PP-FW-B-40     |                                        |  |             |                 |



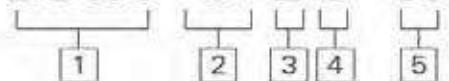


Vickers

## Cetop 3 Manual Control Valves



### DG17V - 3 - 2 C - 60



- |                         |                     |
|-------------------------|---------------------|
| 1 - Manual Control      | 4 - A Spring Offset |
| 2 - Cetop 3             | - C Spring Centred  |
| 3 - Spool Configuration | - N Detented        |
|                         | 5 - Design Code     |

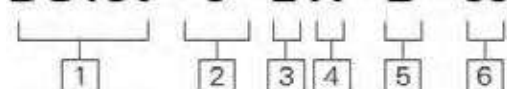
| Cetop Size | Max pressure (bar) | Max tank pressure (bar) | Max flow rate (lpm)* |
|------------|--------------------|-------------------------|----------------------|
| 3          | 350                | 100                     | 75*                  |

| Part Number | Description   | Weight (kg) | Schematic | Price (Ex. GST) |
|-------------|---------------|-------------|-----------|-----------------|
| 02-127342   | DG17V-3-2A-60 | 1.8         |           |                 |
| 02-127343   | DG17V-3-2C-60 |             |           |                 |
| 02-127344   | DG17V-3-2N-60 |             |           |                 |
| 02-135316   | DG17V-3-6C-60 |             |           |                 |
| 02-135673   | DG17V-3-6N-60 |             |           |                 |

\*Note: Flow rates and pressures drop vary with spool type, flow path, and or coil options. Consult catalogue for more information.

## VICKERS Cetop 3 Pneumatic Piloted Control Valves

### DG18V - 3 - 2 A - B - 60



- |                         |                          |
|-------------------------|--------------------------|
| 1 - Pneumatic Piloted   | 4 - A Spring Offset      |
| 2 - Cetop 3             | - C Spring Centred       |
| 3 - Spool Configuration | 5 - B G1/8 Pilot Port(s) |
|                         | 6 - Design Code          |



| Cetop Size | Max pressure (bar) | Max tank pressure (bar) | Max flow rate (lpm)* |
|------------|--------------------|-------------------------|----------------------|
| 3          | 350                | 100                     | 26-76*               |

| Part Number | Description     | Weight (kg) | Schematic | Price (Ex. GST) |
|-------------|-----------------|-------------|-----------|-----------------|
| 02-145115   | DG18V-3-0C-B-60 | 1.5         |           |                 |
| 02-145116   | DG18V-3-2A-B-60 | 1.2         |           |                 |
| 02-149004   | DG18V-3-2C-B-60 | 1.5         |           |                 |
| 02-149005   | DG18V-3-6C-B-60 |             |           |                 |

\*Note: Flow rates and pressures drop vary with spool type, flow path, and or coil options. Consult catalogue for more information.



# VICKERS CETOP VALVES



Vickers



## Cetop 5 High Performance Solenoid Valves

**DG4V - 5 - 6 C - (V) M - U - A 6 - 20**

1 2 3 4 5 6 7 8 9 10

- Model Series
- Standard Performance
- Spool Type
- Operation Code
  - A - Spring offset (end-end)
  - B - Spring offset (centre-end)
  - C - Spring centred (2 coils)
  - N - no springs, detent (2 coils)
  - L - Left hand build
- Omit - Solenoid A is on Port B, Solenoid B is on Port A  
V - Solenoid A is on Port A, Solenoid B is on Port B. Standard on 8C Valve
- Denotes Solenoid Valve
- DIN 43650 type wiring
- Voltage
  - A - 110VAC 50Hz
  - ED - 240VAC 50Hz
  - G - 12VDC
  - H - 24VDC
- Tank Pressure
  - 6 - 160 bar with DC Coils
  - 120 bar with AC Coils
- Design code

| Cetop Size | Max pressure (bar) | Max tank pressure (bar) | Max flow rate (lpm)* | IP rating |
|------------|--------------------|-------------------------|----------------------|-----------|
| 5          | 315                | 160**                   | 120                  | 65        |

| Din Connectors |                    | Price (Ex. GST) |
|----------------|--------------------|-----------------|
| Type           | Part Number        |                 |
| Std            | OD.01.69.01.000000 |                 |
| LED AC         | 43650AC            |                 |
| LED DC         | 43650DC            |                 |

\*Note: Flow rates and pressures drop vary with spool type, flow path, and or coil options. Consult catalogue for more information.

\*\*Note: 160 Bar for DC coils, 120 Bar for AC Coils.

| Part Number | Description             | Voltage | Coil Part Number | Qty of Coils | Weight (kg) | Schematic | Price (Ex. GST) |
|-------------|-------------------------|---------|------------------|--------------|-------------|-----------|-----------------|
| 616946      | DG4V-5-0A-M-U-A6-20     | 110VAC  | 617475           | 1            | 4.2         |           |                 |
| 720421      | DG4V-5-0A-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 616957      | DG4V-5-0A-M-U-G6-20     | 12VDC   | 617470           |              |             |           |                 |
| 616956      | DG4V-5-0A-M-U-H6-20     | 24VDC   | 617471           |              |             |           |                 |
| 459215      | DG4V-5-0B-J-M-U-A6-20   | 110VAC  | 617475           |              |             |           |                 |
| 991271      | DG4V-5-0B-M-U-ED6-20    | 240VAC  | 617477           | 2            | 6.3         |           |                 |
| 639598      | DG4V-5-0B-J-M-U-G6-20   | 12VDC   | 617470           |              |             |           |                 |
| 459788      | DG4V-5-0B-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616789      | DG4V-5-0C-M-U-A6-20     | 110VAC  | 617475           |              |             |           |                 |
| 991201      | DG4V-5-0C-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 616790      | DG4V-5-0C-J-M-U-G6-20   | 12VDC   | 617470           | 1            | 4.2         |           |                 |
| 02-333617   | DG4V-5-0C-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616769      | DG4V-5-2A-M-U-A6-20     | 110VAC  | 617475           |              |             |           |                 |
| 991270      | DG4V-5-2A-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 616770      | DG4V-5-2A-J-M-U-G6-20   | 12VDC   | 617470           |              |             |           |                 |
| 02-333582   | DG4V-5-2A-J-M-U-H6-20   | 24VDC   | 617471           | 2            | 6.3         |           |                 |
| 616941      | DG4V-5-2B-M-U-A6-20     | 110VAC  | 617475           |              |             |           |                 |
| 992690      | DG4V-5-2B-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 639749      | DG4V-5-2B-M-U-G6-20     | 12VDC   | 617470           |              |             |           |                 |
| 638972      | DG4V-5-2B-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616777      | DG4V-5-2C-M-U-A6-20     | 110VAC  | 617475           | 2            | 6.3         |           |                 |
| 639610      | DG4V-5-2C-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 616778      | DG4V-5-2C-J-M-U-G6-20   | 12VDC   | 617470           |              |             |           |                 |
| 02-333579   | DG4V-5-2C-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616773      | DG4V-5-2N-M-U-A6-20     | 110VAC  | 617475           |              |             |           |                 |
| 991272      | DG4V-5-2N-M-U-ED6-20    | 240VAC  | 617477           | 2            | 6.3         |           |                 |
| 616774      | DG4V-5-2N-J-M-U-G6-20   | 12VDC   | 617470           |              |             |           |                 |
| 616772      | DG4V-5-2N-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616781      | DG4V-5-6C-M-U-A6-20     | 110VAC  | 617475           |              |             |           |                 |
| 639609      | DG4V-5-6C-M-U-ED6-20    | 240VAC  | 617477           |              |             |           |                 |
| 616782      | DG4V-5-6C-J-M-U-G6-20   | 12VDC   | 617470           | 2            | 6.3         |           |                 |
| 02-333580   | DG4V-5-6C-J-M-U-H6-20   | 24VDC   | 617471           |              |             |           |                 |
| 616785      | DG4V-5-8C-J-VM-U-A6-20  | 110VAC  | 617475           |              |             |           |                 |
| 991249      | DG4V-5-8C-J-VM-U-ED6-20 | 240VAC  | 617477           |              |             |           |                 |
| 616786      | DG4V-5-8C-J-VM-U-G6-20  | 12VDC   | 617470           |              |             |           |                 |
| 02-333581   | DG4V-5-8C-J-VM-U-H6-20  | 24VDC   | 617471           |              |             |           |                 |

Note: Bolts Kits are sold separately, Part Number 466310, List Price \$33 M6 x 40mm SHCS (for single stack valves).



## Cetop 5 Modular Stack Valves

| Control Function      | Base Model | Check Direction | Control Flow / Location | Control Range | Adjust Type | Aux. Code    | Design Code |
|-----------------------|------------|-----------------|-------------------------|---------------|-------------|--------------|-------------|
| Single Relief         | DGMC-5     | N/A             | PT / AT / BT            | A / B / F / G | H / W       | (B)          | 30          |
| Dual Relief           | DGMC2-5    | N/A             | AB / AT                 | A / B / F / G | H / W       | ***W-(B)     | 30          |
| Counterbalance        | DGMR-5     | N/A             | A                       | 1 - F         | W           |              | 30          |
| Sequence              | DGMR1-5    | N/A             | PP                      | A / B / F / G | W           | B            | 30          |
| Reducing/ Relieving   | DGMX2-5    | N/A             | PP / PA / PB            | A / B / F / G | H / W       | B            | 30          |
| Single Check          | DGMDC-5    | X / Y           | P / T / A / B           | K / M / N     | N/A         |              | 30          |
| Dual Check            | DGMDC-5    | X / Y           | A                       | K / M / N     | N/A         | BK / M / N   | 30          |
| Single Pilot Check    | DGMPC-5    | NO DECOMP       | AB / BA                 | K / M / N     | N/A         |              | 30          |
| Double Pilot Check    | DGMPC-5    | NO DECOMP       | AB                      | K / M / N     | N/A         | BAK / M / N  | 30          |
| Double Pilot Check    | DGMPC-5    | D               | AB                      | K / M / N     | N/A         | DBAK / M / N | 30          |
| Single Flow Regulator | DGMFN-5    | X / Y           | P / A / B               | 1 / 2         | W           |              | 30          |
| Dual Flow Regulator   | DGMFN-5    | X / Y           | A                       | 1 / 2         | W           | B2W          | 30          |

### Check Direction

- X - Meter in (free flow away from actuator)
- Y - Meter out (free flow towards the actuator)

### Control Flow / Location

- The two digit code for relief valves denotes the controlled oil flow from then to for example PT means P to T port
- The two digit code for pilot operated valves denotes the main location and the pilot source for example AB means in Line A but the pilot is coming from B
- A one digit code denotes the control location

### Aux. Code

With dual controls, second function (opposite side) will be coded in the similar manner with 1st function. Single "B" represents gauge port option with G1/4

### Adjustment Type

- W - Screw + Locknut (Standard)
- H - Hand knob
- K - Micrometer with key lock

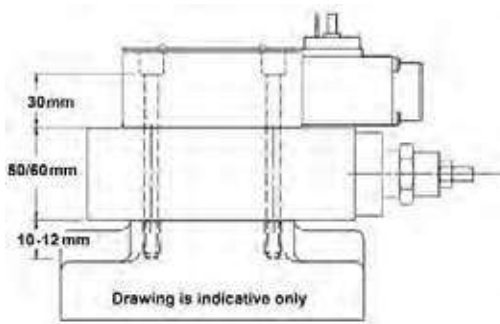
### Control Range

| Relief (and Dual Relief) | Other Pressure Controls | Check and Pilot Check | Flow Regulator                            | Counterbalance       |
|--------------------------|-------------------------|-----------------------|-------------------------------------------|----------------------|
| A - 4 - 50 bar           | A - up to 50 bar        | K - 1 bar             | 1 - Fine Control<br>(120lpm @ 60 bar)     | 1 - 4:1 Pilot ratio  |
| B - 4 - 100 bar          | B - up to 100 bar       | M - 2.5 bar           | 2 - Standard control<br>(120lpm @ 10 bar) | 2 - 10:1 Pilot ratio |
| C - 4 - 200 bar          | F - up to 200 bar       | N - 5 bar             |                                           |                      |
| G - 4 - 315 bar          | G - up to 315 bar       |                       |                                           |                      |

## Bolt Kits / Stud Kits

| No. of Modular Stack Valves | Bolt / Stud Length (mm) | Part Number | Price (Ex. GST) |
|-----------------------------|-------------------------|-------------|-----------------|
| 1 (50mm)                    | 90                      | 534576      |                 |
| 1 (60mm)                    | 110                     | 978480      |                 |
| 2 (50mm)                    | 140                     | 638878      |                 |
| 3 (50mm)                    | 188                     | 978460      |                 |

Notes: Most Cetop 5 Modular Stack valves are 50 or 60mm in height  
Cetop 5 Valve Height = 30mm  
Subplate thread engagement 12 mm



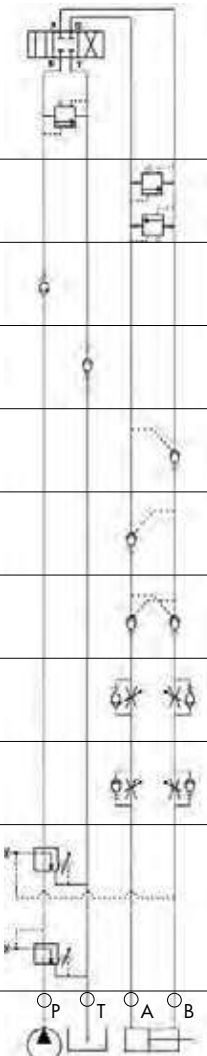
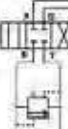
| Part Number | Description   | Function                                | Plate Thickness (mm) | Max Pressure (bar) | Aux. Code | Price (Ex. GST) |
|-------------|---------------|-----------------------------------------|----------------------|--------------------|-----------|-----------------|
| 978451      | DGMA-5-B-10   | Blanking Plate                          | 37                   | 315                |           |                 |
| 978452      | DGMA-5-C1-10  | Cross over plate<br>P to A, B to T      | 37                   | 315                |           |                 |
| 978453      | DGMA-5-C2-10  | Cross over plate<br>P to B, A to T      | 37                   | 315                |           |                 |
| 400733      | DGAM-3-01-10R | Adaptor Plate, Cetop 3 (top) to Cetop 5 | 21 (onto Cetop 5)    | 210                |           |                 |



# VICKERS CETOP VALVES



## Cetop 5 Modular Stack Valves

| Part Number | Description            | Function                             |    | Height (mm) | Price (Ex. GST) |
|-------------|------------------------|--------------------------------------|---------------------------------------------------------------------------------------|-------------|-----------------|
| 879035      | DGMC-5-PT-BH-B-30      | Single Relief                        |      | 60          |                 |
| 879036      | DGMC-5-PT-GH-B-30      |                                      |                                                                                       |             |                 |
| 879044      | DGMC2-5-AB-GH-BA-GH-30 | Dual Relief                          |    | 60          |                 |
| 867341      | DGMwDC-5-Y-PK-30       | Single Check                         |      | 50          |                 |
| 867342      | DGMDC-5-X-TK-30        |                                      |                                                                                       | 50          |                 |
| 867339      | DGMPC-5-ABK-30         | Single Pilot Check                   |    | 50          |                 |
| 867340      | DGMPC-5-BAK-30         |                                      |                                                                                       | 50          |                 |
| 867364      | DGMPC-5-ABK-BAK-30     | Dual Pilot Check                     |   | 50          |                 |
| 867335      | DGMFN-5-X-A2W-B2W-30   | Dual Flow Control with Reverse Check |  | 50          |                 |
| 867332      | DGMFN-5-Y-A2W-B2W-30   |                                      |                                                                                       | 50          |                 |
| 879050      | DGMX2-5-PA-GH-B-30     | Reducing / Relieving Valves          |    | 50          |                 |
| 879045      | DGMX2-5-PP-BH-B-30     |                                      |                                                                                       |             |                 |
| 02-140896   | DGMX2-5-PP-FH-B-30     |                                      |                                                                                       | 50          |                 |
| 879046      | DGMX2-5-PP-GH-B-30     |                                      |                                                                                       |             |                 |

P T A B

