

## TECHNICAL CATALOGUE

# Valves, Manifolds & Controls

Product specifications, dimensions and ordering configurations

28 October 2026

**Product families:** 45

**Product, pattern & size references:** 294

**B-BBEE:** Level 2

Select the product and exact configuration for the operating duty. The tables in this catalogue apply to the exact item, material, size and standard shown. Working, burst and test pressures are different quantities. Similar ordering references do not establish compatibility.

Application-specific assemblies, custom machining and configured equipment receive their final agreed specification with the quotation.

## Request a quotation

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Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

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africanhosesolutions.co.za

# Valves, Manifolds & Controls

Directional, pressure and flow control, integrated manifolds and load-sensing valve banks.

## 001 / MBV - MONOBLOCK VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: Q1501 / Q2501 / Q2502 / Q2503 / Q2504 / Q2505 / Q2506 / Q2507 / Q3501 / Q4501 / Q4502 / Q4503 / Q4504 / Q4505 / Q4506 / Q4507 / Q7501 / Q7502 / Q7503 / Q7504 / Q7505 / Q7506 / Q9501 / Q9502 / Q9503

MBV MONOBLOCK VALVES exact configuration

| Part code | Bank count | Nominal connection size; thread system unspecified | Outlet size inch | Spool action  |
|-----------|------------|----------------------------------------------------|------------------|---------------|
| Q1501     | 1          | 1/4                                                | Confirm          | double acting |
| Q2501     | 1          | 3/8                                                | 1/2              | double acting |
| Q2502     | 2          | 3/8                                                | 1/2              | double acting |
| Q2503     | 3          | 3/8                                                | 1/2              | double acting |
| Q2504     | 4          | 3/8                                                | 1/2              | double acting |
| Q2505     | 5          | 3/8                                                | 1/2              | double acting |
| Q2506     | 6          | 3/8                                                | 1/2              | double acting |
| Q2507     | 7          | 3/8                                                | 1/2              | double acting |
| Q3501     | 1          | 3/8                                                | Confirm          | double acting |
| Q4501     | 1          | 1/2                                                | Confirm          | double acting |
| Q4502     | 2          | 1/2                                                | Confirm          | double acting |
| Q4503     | 3          | 1/2                                                | Confirm          | double acting |
| Q4504     | 4          | 1/2                                                | Confirm          | double acting |
| Q4505     | 5          | 1/2                                                | Confirm          | double acting |
| Q4506     | 6          | 1/2                                                | Confirm          | double acting |

MBV MONOBLOCK VALVES exact configuration

| Part code | Bank count | Nominal connection size; thread system unspecified | Outlet size inch | Spool action  |
|-----------|------------|----------------------------------------------------|------------------|---------------|
| Q4507     | 7          | 1/2                                                | Confirm          | double acting |
| Q7501     | 1          | 1/2                                                | 3/4              | double acting |
| Q7502     | 2          | 1/2                                                | 3/4              | double acting |
| Q7503     | 3          | 1/2                                                | 3/4              | double acting |
| Q7504     | 4          | 1/2                                                | 3/4              | double acting |
| Q7505     | 5          | 1/2                                                | 3/4              | double acting |
| Q7506     | 6          | 1/2                                                | 3/4              | double acting |
| Q9501     | 1          | 3/4                                                | Confirm          | double acting |
| Q9502     | 2          | 3/4                                                | Confirm          | double acting |
| Q9503     | 3          | 3/4                                                | Confirm          | double acting |

Double-acting monoblock valve configurations by bank count and nominal port size. Outlet sizes are listed separately where specified. Confirm port-thread standard, spool function, flow capacity, working pressure, relief setting, power-beyond arrangement and overall dimensions for the exact bank.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

002 / VA - VALVE ACCESSORIES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FC-1000 / FC-1500 / FC-2000 / FC-2500 / FC-3000 / IF-06-C3 / IF-08-C3 / IF-12-C3 / Q25-50A15-R / Q25-50H1 / Q25-50H5 / Q25-50M1U1 / Q25-50R1 / Q25-50R2 / Q25-50R3 / Q25-50R4 / Q25-50R5 / Q25-50R6 / Q25-50RTL / Q75-95H1 / Q75-95H5 / Q75-95M1U1 / Q75-95R1 / Q75-95R2 / Q75-95R3 / Q75-95R4 / Q75-95R5 / Q75-95R6

VA VALVE ACCESSORIES exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| IF-06-C3  | 3/8                                                |

## VA VALVE ACCESSORIES exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| IF-08-C3  | 1/2                                                |
| IF-12-C3  | 3/4                                                |

Cam-operated flow-diverter accessory connections. Confirm thread form, control movement, mounting and flow/pressure limits for the selected accessory.

## Valve detent, pilot and remote-control accessory selections

| Part code  | A position control | B position control | Control configuration                                    | Neutral position present | Position count | Simultaneously controlled spools | compatibility label |
|------------|--------------------|--------------------|----------------------------------------------------------|--------------------------|----------------|----------------------------------|---------------------|
| Q25-50R1   | detent             | spring centred     | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q25-50              |
| Q25-50R2   | spring centred     | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q25-50              |
| Q25-50R3   | detent             | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q25-50              |
| Q25-50R4   | detent             | absent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q25-50              |
| Q25-50R5   | absent             | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q25-50              |
| Q25-50R6   | detent             | detent             | Confirm                                                  | No                       | Confirm        | Confirm                          | Q25-50              |
| Q25-50H1   | Confirm            | Confirm            | hydraulic pilot; high-pressure option, no numeric rating | Confirm                  | 3              | Confirm                          | Q25-50              |
| Q25-50H5   | Confirm            | Confirm            | hydraulic pilot; low-pressure option, no numeric rating  | Confirm                  | 3              | Confirm                          | Q25-50              |
| Q25-50M1U1 | Confirm            | Confirm            | mechanical remote-control spool connection               | Confirm                  | 3              | Confirm                          | Q25-50              |
| Q75-95R1   | detent             | spring centred     | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q75-95              |
| Q75-95R2   | spring centred     | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q75-95              |
| Q75-95R3   | detent             | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q75-95              |
| Q75-95R4   | detent             | absent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q75-95              |
| Q75-95R5   | absent             | detent             | Confirm                                                  | Yes                      | Confirm        | Confirm                          | Q75-95              |
| Q75-95R6   | detent             | detent             | Confirm                                                  | No                       | Confirm        | Confirm                          | Q75-95              |

## Valve detent, pilot and remote-control accessory selections

| Part code   | A position control | B position control | Control configuration                                    | Neutral position present | Position count | Simultaneously controlled spools | compatibility label |
|-------------|--------------------|--------------------|----------------------------------------------------------|--------------------------|----------------|----------------------------------|---------------------|
| Q75-95H1    | Confirm            | Confirm            | hydraulic pilot; high-pressure option, no numeric rating | Confirm                  | 3              | Confirm                          | Q75-95              |
| Q75-95H5    | Confirm            | Confirm            | hydraulic pilot; low-pressure option, no numeric rating  | Confirm                  | 3              | Confirm                          | Q75-95              |
| Q75-95M1U1  | Confirm            | Confirm            | mechanical remote-control spool connection               | Confirm                  | 3              | Confirm                          | Q75-95              |
| Q25-50RTL   | Confirm            | Confirm            | clutched rotary control                                  | Confirm                  | 3              | Confirm                          | Q25-50              |
| Q25-50A15-R | Confirm            | Confirm            | cloche lever, attachment at either port                  | Confirm                  | Confirm        | 2                                | Q25-50              |

Detent, pilot and remote-control options for the indicated valve-series compatibility label. The compatibility label applies only to the named control configuration. Confirm the exact valve body, mounting kit and actuation requirements. High-pressure and low-pressure option names are not numeric pilot-pressure ratings.

## Application &amp; quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 003 / BV - BALL VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: BKHR-04 / BKHR-06 / BKHR-08 / BKHR-12 / BKHR-16 / BKHR-20 / BKHR-24 / BKHR-32 / BKHR3-04 / BKHR3-06 / BKHR3-08 / BKHR3-12 / BKHR3-16 / BKHR3-20 / BKHR3-24

## BV BALL VALVES exact configuration

| Part code | Nominal connection size; thread system unspecified | Port path | Valve ways |
|-----------|----------------------------------------------------|-----------|------------|
| BKHR-04   | 1/4                                                | Confirm   | 2          |
| BKHR-06   | 3/8                                                | Confirm   | 2          |
| BKHR-08   | 1/2                                                | Confirm   | 2          |
| BKHR-12   | 3/4                                                | Confirm   | 2          |
| BKHR-16   | 1                                                  | Confirm   | 2          |

BV BALL VALVES exact configuration

| Part code | Nominal connection size; thread system unspecified | Port path | Valve ways |
|-----------|----------------------------------------------------|-----------|------------|
| BKHR-20   | 1-1/4                                              | Confirm   | 2          |
| BKHR-24   | 1-1/2                                              | Confirm   | 2          |
| BKHR-32   | 2                                                  | Confirm   | 2          |
| BKHR3-04  | 1/4                                                | L         | 3          |
| BKHR3-06  | 3/8                                                | L         | 3          |
| BKHR3-08  | 1/2                                                | L         | 3          |
| BKHR3-12  | 3/4                                                | L         | 3          |
| BKHR3-16  | 1                                                  | L         | 3          |
| BKHR3-20  | 1-1/4                                              | L         | 3          |
| BKHR3-24  | 1-1/2                                              | L         | 3          |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

004 / ICV - INLINE CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VU-04 / VU-06 / VU-08 / VU-12 / VU-16 / VU-20 / VU-24

ICV INLINE CHECK VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VU-04     | 1/4                                                |
| VU-06     | 3/8                                                |

ICV INLINE CHECK VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VU-08     | 1/2                                                |
| VU-12     | 3/4                                                |
| VU-16     | 1                                                  |
| VU-20     | 1-1/4                                              |
| VU-24     | 1-1/2                                              |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

005 / VMP - INLINE RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VMP-06 / VMP-08 / VMP-12 / VMP-16

VMP INLINE RELIEF VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VMP-06    | 3/8                                                |
| VMP-08    | 1/2                                                |
| VMP-12    | 3/4                                                |
| VMP-16    | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 006 / FMRV - FACE MOUNTED RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FMRV-08

[FMRV FACE MOUNTED RELIEF VALVE exact configuration](#)

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| FMRV-08   | 1/2                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 007 / DCORV - DUAL CROSS OVER RELIEF VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VAU-06 / VAU-08

[DCORV DUAL CROSS OVER RELIEF VALVE exact configuration](#)

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VAU-06    | 3/8                                                |
| VAU-08    | 1/2                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 008 / VAUAC - DUAL CROSS RELIEF VALVE WITH ANTI-CAVITATION

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VAUAC-08 / VAUAC-12

**VAUAC DUAL CROSS RELIEF VALVE WITH ANTI CAVITATION exact configuration**

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VAUAC-08  | 1/2                                                |
| VAUAC-12  | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 009 / VU2P - SHUTTLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VU2P-04 / VU2P-06 / VU2P-08 / VU2P-12

**VU2P SHUTTLE VALVE exact configuration**

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VU2P-04   | 1/4                                                |
| VU2P-06   | 3/8                                                |
| VU2P-08   | 1/2                                                |
| VU2P-12   | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 010 / HBV - HOSE BRAKE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VUBA-04 / VUBA-06 / VUBA-08 / VUBA-12 / VUBA-16 / VUBAC-04 / VUBAC-06 / VUBAC-08 / VUBAC-12 / VUBAC-16 / VUBAS-04 / VUBAS-06 / VUBAS-08 / VUBAS-12 / VUBAS-16

## HBV HOSE BRAKE VALVE exact configuration

| Part code | Connection configuration | Construction | Nominal connection size; thread system unspecified |
|-----------|--------------------------|--------------|----------------------------------------------------|
| VUBAS-04  | socket                   | Confirm      | 1/4                                                |
| VUBAS-06  | socket                   | Confirm      | 3/8                                                |
| VUBAS-08  | socket                   | Confirm      | 1/2                                                |
| VUBAS-12  | socket                   | Confirm      | 3/4                                                |
| VUBAS-16  | socket                   | Confirm      | 1                                                  |
| VUBA-04   | male/female              | Confirm      | 1/4                                                |
| VUBA-06   | male/female              | Confirm      | 3/8                                                |
| VUBA-08   | male/female              | Confirm      | 1/2                                                |
| VUBA-12   | male/female              | Confirm      | 3/4                                                |
| VUBA-16   | male/female              | Confirm      | 1                                                  |
| VUBAC-04  | Confirm                  | cartridge    | 1/4                                                |
| VUBAC-06  | Confirm                  | cartridge    | 3/8                                                |
| VUBAC-08  | Confirm                  | cartridge    | 1/2                                                |
| VUBAC-12  | Confirm                  | cartridge    | 3/4                                                |
| VUBAC-16  | Confirm                  | cartridge    | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 011 / VUI - INTEGRATED CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VUI-04 / VUI-06

VUI INTEGRATED CHECK VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VUI-04    | 1/4                                                |
| VUI-06    | 3/8                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

012 / ESVNO - END STROKE VALVE NORMALLY OPEN

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: ESVNO-08

ESVNO END STROKE VALVE NORMALLY OPEN exact configuration

| Part code | Nominal connection size; thread system unspecified | Normal state |
|-----------|----------------------------------------------------|--------------|
| ESVNO-08  | 1/2                                                | open         |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

013 / DF3 - DIVERTER VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DF3-06 / DF3-08 / DF3-12 / DF3-16

DF3 DIVERTER VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified | Valve ways |
|-----------|----------------------------------------------------|------------|
| DF3-06    | 3/8                                                | 3          |

DF3 DIVERTER VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified | Valve ways |
|-----------|----------------------------------------------------|------------|
| DF3-08    | 1/2                                                | 3          |
| DF3-12    | 3/4                                                | 3          |
| DF3-16    | 1                                                  | 3          |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

014 / UDNV - UNI-DIRECTIONAL NEEDLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDNV-02 / UDNV-04 / UDNV-06 / UDNV-08 / UDNV-12 / UDNV-16

UDNV UNI DIRECTIONAL NEEDLE VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| UDNV-04   | 1/4                                                |
| UDNV-06   | 3/8                                                |
| UDNV-08   | 1/2                                                |
| UDNV-12   | 3/4                                                |
| UDNV-16   | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

015 / UDBV - UNI-DIRECTIONAL BARREL FLOW CONTROL VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDBV-04 / UDBV-06 / UDBV-08 / UDBV-12 / UDBV-16

UDBV UNI DIRECTIONAL BARREL FLOW CONTROL VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| UDBV-04   | 1/4                                                |
| UDBV-06   | 3/8                                                |
| UDBV-08   | 1/2                                                |
| UDBV-12   | 3/4                                                |
| UDBV-16   | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

016 / UDNVCOMP - UNI-DIRECTIONAL NEEDLE VALVE - PRESSURE COMPENSATED

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: UDNV-04COMP / UDNV-06COMP / UDNV-08COMP

UDNVCOMP UNI DIRECTIONAL NEEDLE VALVE PRESSURE COMPENSATED exact configuration

| Part code   | Nominal connection size; thread system unspecified | Pressure compensated |
|-------------|----------------------------------------------------|----------------------|
| UDNV-04COMP | 1/4                                                | Yes                  |
| UDNV-06COMP | 3/8                                                | Yes                  |
| UDNV-08COMP | 1/2                                                | Yes                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

017 / BDNV- BI-DIRECTIONAL NEEDLE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: BDNV-04 / BDNV-06 / BDNV-08 / BDNV-12 / BDNV-16

BDNV BI DIRECTIONAL NEEDLE VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| BDNV-04   | 1/4                                                |
| BDNV-06   | 3/8                                                |
| BDNV-08   | 1/2                                                |
| BDNV-12   | 3/4                                                |
| BDNV-16   | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

018 / VPR3 - 3 PORT FLOW CONTROL VALVE - ONGOING PRESSURE LINE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VPR3-06 / VPR3-08 / VPR3-12 / VPR3-16

VPR3 3 PORT FLOW CONTROL VALVE ONGOING PRESSURE LINE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VPR3-06   | 3/8                                                |
| VPR3-08   | 1/2                                                |

**VPR3 3 PORT FLOW CONTROL VALVE ONGOING PRESSURE LINE exact configuration**

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VPR3-12   | 3/4                                                |
| VPR3-16   | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 019 / RFP3 - THREE PORT FLOW CONTROL VALVE - EXCESS TO TANK

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: RFP3-06 / RFP3-08 / RFP3-12 / RFP3-12VMP

**RFP3 THREE PORT FLOW CONTROL VALVE EXCESS TO TANK exact configuration**

| Part code  | Nominal connection size; thread system unspecified |
|------------|----------------------------------------------------|
| RFP3-06    | 3/8                                                |
| RFP3-08    | 1/2                                                |
| RFP3-12    | 3/4                                                |
| RFP3-12VMP | 3/4                                                |

Hydraulic reservoir capacities and listed construction configurations. Capacity is the stated tank capacity, not a system oil-fill recommendation. Confirm usable volume, freeboard, mounting, dimensions, porting and fluid compatibility for the selected power pack.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 020 / VABP - TWO PUMP HI-LOW UNLOADING VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VABP-12

VABP TWO PUMP HI LOW UNLOADING VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VABP-12   | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

021 / DFL - FLOW DIVIDER

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DFL-06 / DFL-08 / DFL-12 / DFL-16

DFL FLOW DIVIDER exact configuration

| Part code | Fixed split ratio | Nominal connection size; thread system unspecified | listed flow (L/min) |
|-----------|-------------------|----------------------------------------------------|---------------------|
| DFL-06    | 50:50             | 3/8                                                | 24.0                |
| DFL-08    | 50:50             | 1/2                                                | 40.0                |
| DFL-12    | 50:50             | 3/4                                                | 90.0                |
| DFL-16    | 50:50             | 1                                                  | 150.0               |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

022 / DASV - DIRECT ACTING SEQUENCE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DASV-06 / DASV-08 / DASV-12

DASV DIRECT ACTING SEQUENCE VALVES exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| DASV-06   | 3/8                                                |
| DASV-08   | 1/2                                                |
| DASV-12   | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

023 / SOCV - SINGLE OVER CENTRE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: SOCV-04 / SOCV-06 / SOCV-08 / SOCV-12

SOCV SINGLE OVER CENTRE VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| SOCV-04   | 1/4                                                |
| SOCV-06   | 3/8                                                |
| SOCV-08   | 1/2                                                |
| SOCV-12   | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

024 / DOCV - DOUBLE OVER CENTRE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: DOCV-06 / DOCV-08 / DOCV-12

#### DOCV DOUBLE OVER CENTRE VALVE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| DOCV-06   | 3/8                                                |
| DOCV-08   | 1/2                                                |
| DOCV-12   | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

#### Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 025 / VBPSL - SINGLE PILOT OPERATED CHECK VALVE - 1 LINE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSL-04 / VBPSL-06 / VBPSL-08 / VBPSL-12

#### VBPSL SINGLE PILOT OPERATED CHECK VALVE 1 LINE exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VBPSL-04  | 1/4                                                |
| VBPSL-06  | 3/8                                                |
| VBPSL-08  | 1/2                                                |
| VBPSL-12  | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

#### Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 026 / VBPSE - SINGLE PILOT OPERATED CHECK VALVE - 2 LINES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSE-04 / VBPSE-06 / VBPSE-08 / VBPSE-12

[VBPSE SINGLE PILOT OPERATED CHECK VALVE 2 LINES exact configuration](#)

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VBPSE-04  | 1/4                                                |
| VBPSE-06  | 3/8                                                |
| VBPSE-08  | 1/2                                                |
| VBPSE-12  | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 027 / VBPSEMSO - SINGLE PILOT OPERATED CHECK VALVE WITH MANUAL SHUT OFF

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPSE-06MSO / VBPSE-08MSO

[VBPSEMSO SINGLE PILOT OPERATED CHECK VALVE WITH MANUAL SHUT OFF exact configuration](#)

| Part code   | Nominal connection size; thread system unspecified |
|-------------|----------------------------------------------------|
| VBPSE-06MSO | 3/8                                                |
| VBPSE-08MSO | 1/2                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 028 / VBLSE - SINGLE PILOT OPERATED CHECK VALVE - HIGH PILOT

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBLSE-06

[VBLSE SINGLE PILOT OPERATED CHECK VALVE HIGH PILOT exact configuration](#)

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VBLSE-06  | 3/8                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 029 / VBPDE - DOUBLE PILOT OPERATED CHECK VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: VBPDE-06 / VBPDE-08 / VBPDE-12

[VBPDE DOUBLE PILOT OPERATED CHECK VALVE exact configuration](#)

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| VBPDE-06  | 3/8                                                |
| VBPDE-08  | 1/2                                                |
| VBPDE-12  | 3/4                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 030 / GGL - INLINE ROTATING COUPLINGS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: GGL-04 / GGL-06 / GGL-08 / GGL-12 / GGL-16 / GGL-20 / GGL-24 / GGL-32

GGL INLINE ROTATING COUPLINGS exact configuration

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| GGL-04    | 1/4                                                |
| GGL-06    | 3/8                                                |
| GGL-08    | 1/2                                                |
| GGL-12    | 3/4                                                |
| GGL-16    | 1                                                  |
| GGL-20    | 1-1/4                                              |
| GGL-24    | 1-1/2                                              |
| GGL-32    | 2                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

031 / GGL90 - INLINE ROTATING COUPLINGS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: GGL90-04 / GGL90-06 / GGL90-08 / GGL90-12 / GGL90-16 / GGL90-20 / GGL90-24 / GGL90-32

GGL90 INLINE ROTATING COUPLINGS exact configuration

| Part code | Angle deg (degrees) | Nominal connection size; thread system unspecified |
|-----------|---------------------|----------------------------------------------------|
| GGL90-04  | 90                  | 1/4                                                |
| GGL90-06  | 90                  | 3/8                                                |
| GGL90-08  | 90                  | 1/2                                                |

**GGL90 INLINE ROTATING COUPLINGS exact configuration**

| Part code | Angle deg (degrees) | Nominal connection size; thread system unspecified |
|-----------|---------------------|----------------------------------------------------|
| GGL90-12  | 90                  | 3/4                                                |
| GGL90-16  | 90                  | 1                                                  |
| GGL90-20  | 90                  | 1-1/4                                              |
| GGL90-24  | 90                  | 1-1/2                                              |
| GGL90-32  | 90                  | 2                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 032 / 111 - LOW PRESSURE BALL VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: 111-06 / 111-10 / 111-15 / 111-20 / 111-25 / 111-32 / 111-40 / 111-50

**111 LOW PRESSURE BALL VALVE exact configuration**

| Part code | Nominal connection size; thread system unspecified | Valve ways |
|-----------|----------------------------------------------------|------------|
| 111-06    | 1/4                                                | 2          |
| 111-10    | 3/8                                                | 2          |
| 111-15    | 1/2                                                | 2          |
| 111-20    | 3/4                                                | 2          |
| 111-25    | 1                                                  | 2          |
| 111-32    | 1-1/4                                              | 2          |
| 111-40    | 1-1/2                                              | 2          |

**111 LOW PRESSURE BALL VALVE exact configuration**

| Part code | Nominal connection size; thread system unspecified | Valve ways |
|-----------|----------------------------------------------------|------------|
| 111-50    | 2                                                  | 2          |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

**033 / MBV - MINI BALL VALVE**

Hydraulic control components selected to the circuit function, flow and pressure.

**Ordering references:** MBV-02 / MBV-04 / MBV-06 / MBV-08

**MBV MINI BALL VALVE exact configuration**

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| MBV-02    | 1/8                                                |
| MBV-04    | 1/4                                                |
| MBV-06    | 3/8                                                |
| MBV-08    | 1/2                                                |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

**034 / NRVB - LOW PRESSURE CHECK VALVE**

Hydraulic control components selected to the circuit function, flow and pressure.

**Ordering references:** NRVB-06 / NRVB-08 / NRVB-12 / NRVB-16

**NRVB LOW PRESSURE CHECK VALVE exact configuration**

| Part code | Nominal connection size; thread system unspecified |
|-----------|----------------------------------------------------|
| NRVB-06   | 3/8                                                |
| NRVB-08   | 1/2                                                |
| NRVB-12   | 3/4                                                |
| NRVB-16   | 1                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

**Application & quotation checklist**

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 035 / 157 - LOW PRESSURE GATE VALVE

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: 157-06 / 157-10 / 157-15 / 157-20 / 157-25 / 157-32 / 157-40 / 157-50

**157 LOW PRESSURE GATE VALVE exact configuration**

| Part code | Body material              | Nominal connection size; thread system unspecified |
|-----------|----------------------------|----------------------------------------------------|
| 157-06    | brass; grade not specified | 1/4                                                |
| 157-10    | brass; grade not specified | 3/8                                                |
| 157-15    | brass; grade not specified | 1/2                                                |
| 157-20    | brass; grade not specified | 3/4                                                |
| 157-25    | brass; grade not specified | 1                                                  |
| 157-32    | brass; grade not specified | 1-1/4                                              |
| 157-40    | brass; grade not specified | 1-1/2                                              |
| 157-50    | brass; grade not specified | 2                                                  |

Select the exact part code and configuration shown. Connection dimensions, material, seals and operating conditions must suit the complete assembly. Unlisted ratings and dimensions require confirmation during quotation.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 036 / FT3 - NG6 SOLENOID VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

**Ordering references:** FT3-115V / FT3-12V / FT3-230V / FT3-24V / FT3-ES-0C / FT3-ES-0ML / FT3-ES-1C / FT3-ES-1LL / FT3-ES-1ML / FT3-ES-2LL / FT3-ES-3C / FT3-ES-4C / FT3-ES-4ML

[FT3 NG6 SOLENOID VALVES exact configuration](#)

| Part code  | Centre function           | Coil supply | Coil voltage v | Nominal size reference | Part type              | Solenoid count | port function                     |
|------------|---------------------------|-------------|----------------|------------------------|------------------------|----------------|-----------------------------------|
| FT3-ES-2LL | Confirm                   | Confirm     | Confirm        | NG6                    | directional valve body | 1              | P connected to A; B and T blocked |
| FT3-ES-1ML | closed                    | Confirm     | Confirm        | NG6                    | directional valve body | 1              | Confirm                           |
| FT3-ES-4ML | P-T open; A and B blocked | Confirm     | Confirm        | NG6                    | directional valve body | 1              | Confirm                           |
| FT3-ES-0C  | open H                    | Confirm     | Confirm        | NG6                    | directional valve body | 2              | Confirm                           |
| FT3-12V    | Confirm                   | DC          | 12.0           | NG6                    | coil only              | Confirm        | Confirm                           |
| FT3-24V    | Confirm                   | DC          | 24.0           | NG6                    | coil only              | Confirm        | Confirm                           |
| FT3-115V   | Confirm                   | AC          | Confirm        | NG6                    | coil only              | Confirm        | Confirm                           |
| FT3-230V   | Confirm                   | AC          | 230.0          | NG6                    | coil only              | Confirm        | Confirm                           |

Directional-valve body and replacement-coil choices are identified as separate part types. Select the required spool function and nominal NG interface size. A coil code alone is not a complete valve. Confirm coil voltage, AC/DC supply, connector, duty, working pressure, flow and mounting dimensions. The 110/115 VAC voltage discrepancy is awaiting confirmation and is not treated as an exact rating.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 037 / FT3 - NG6 STACKABLE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

**Ordering references:** FT3-CO-AB / FT3-CO-B / FT3-CO-P / FT3-CP-A / FT3-CP-AB / FT3-CP-B / FT3-FC-A / FT3-FC-AB / FT3-FC-B / FT3-FX-A / FT3-FX-AB / FT3-FX-B / FT3-LSP3 / FT3-MO-P / FT3-MP-AB / FT3-MP-B / FT3-MP-BA / FT3-MP-P / FT3-RO-A / FT3-RO-B / FT3-RO-P

## FT3 NG6 STACKABLE VALVES exact configuration

| Part code | Nominal size reference | paths   | Valve function       |
|-----------|------------------------|---------|----------------------|
| FT3-CP-A  | NG6                    | A1→A    | pilot-operated check |
| FT3-CP-B  | NG6                    | B1→B    | pilot-operated check |
| FT3-CP-AB | NG6                    | Confirm | Confirm              |
| FT3-FX-A  | NG6                    | A→A1    | throttle check       |
| FT3-FX-B  | NG6                    | B→B1    | throttle check       |
| FT3-FC-A  | NG6                    | A1→A    | throttle check       |
| FT3-FC-B  | NG6                    | B1→B    | throttle check       |
| FT3-FC-AB | NG6                    | A1→A    | throttle check       |
| FT3-RO-A  | NG6                    | Confirm | Confirm              |
| FT3-RO-B  | NG6                    | Confirm | Confirm              |
| FT3-RO-P  | NG6                    | Confirm | Confirm              |
| FT3-MP-B  | NG6                    | Confirm | Confirm              |
| FT3-MP-BA | NG6                    | Confirm | Confirm              |
| FT3-MP-AB | NG6                    | Confirm | Confirm              |
| FT3-CO-AB | NG6                    | Confirm | Confirm              |
| FT3-CO-B  | NG6                    | Confirm | Confirm              |
| FT3-MO-P  | NG6                    | Confirm | Confirm              |
| FT3-MP-P  | NG6                    | Confirm | Confirm              |

Stackable valve functions and controlled flow paths for the listed NG interface size. Match A, B, P and T paths and any pilot/drain requirements to the complete manifold circuit. Confirm rated flow, working pressure, adjustment range and stack dimensions for the exact model.

## Application &amp; quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 038 / FT3 - NG6 MANIFOLD BLOCKS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: MRSK3-06 / MRSK3-08VMP / NG6-2MAN / NG6-3MAN / NG6-4MAN

### FT3 NG6 MANIFOLD BLOCKS exact configuration

| Part code | Nominal size reference | Part type | Station count |
|-----------|------------------------|-----------|---------------|
| NG6-4MAN  | NG6                    | manifold  | 4             |

Manifold station-count and subplate choices for the indicated nominal interface size. Confirm the valve mounting pattern, port threads, pressure rating, material and full block dimensions. Nominal NG size and station count alone do not prove fit or capacity.

### Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

## 039 / FT5 - NG10 SOLENOID VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT5-115V / FT5-12V / FT5-230V / FT5-24V / FT5-ES-0C / FT5-ES-0LL / FT5-ES-0ML / FT5-ES-1C / FT5-ES-1LL / FT5-ES-1ML / FT5-ES-2LL / FT5-ES-3C / FT5-ES-4C / FT5-ES-4ML

### FT5 NG10 SOLENOID VALVES exact configuration

| Part code  | Centre function           | Coil supply | Coil voltage v | Nominal size reference | Part type              | Solenoid count |
|------------|---------------------------|-------------|----------------|------------------------|------------------------|----------------|
| FT5-ES-0ML | open H                    | Confirm     | Confirm        | NG10                   | directional valve body | 1              |
| FT5-ES-1ML | closed                    | Confirm     | Confirm        | NG10                   | directional valve body | 1              |
| FT5-ES-4ML | P-T open; A and B blocked | Confirm     | Confirm        | NG10                   | directional valve body | 1              |
| FT5-ES-0C  | open H                    | Confirm     | Confirm        | NG10                   | directional valve body | 2              |
| FT5-12V    | Confirm                   | DC          | 12.0           | NG10                   | coil only              | Confirm        |
| FT5-24V    | Confirm                   | DC          | 24.0           | NG10                   | coil only              | Confirm        |
| FT5-115V   | Confirm                   | AC          | Confirm        | NG10                   | coil only              | Confirm        |
| FT5-230V   | Confirm                   | AC          | 230.0          | NG10                   | coil only              | Confirm        |

Directional-valve body and replacement-coil choices are identified as separate part types. Select the required spool function and nominal NG interface size. A coil code alone is not a complete valve. Confirm coil voltage, AC/DC supply, connector, duty, working pressure, flow and mounting dimensions. The 110/115 VAC voltage discrepancy is awaiting confirmation and is not treated as an exact rating.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

040 / FT5 - NG10 STACKABLE VALVES

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: FT5-CO-AB / FT5-CO-B / FT5-CO-P / FT5-CP-A / FT5-CP-AB / FT5-CP-B / FT5-FC-A / FT5-FC-AB / FT5-FC-B / FT5-FX-A / FT5-FX-AB / FT5-FX-B / FT5-MP-P

FT5 NG10 STACKABLE VALVES exact configuration

| Part code | Nominal size reference | paths   | Valve function       |
|-----------|------------------------|---------|----------------------|
| FT5-CP-A  | NG10                   | A1→A    | pilot-operated check |
| FT5-CP-B  | NG10                   | B1→B    | pilot-operated check |
| FT5-CP-AB | NG10                   | Confirm | Confirm              |
| FT5-FX-A  | NG10                   | A→A1    | throttle check       |
| FT5-FX-B  | NG10                   | B→B1    | throttle check       |
| FT5-FX-AB | NG10                   | A→A1    | throttle check       |
| FT5-FC-A  | NG10                   | A1→A    | throttle check       |
| FT5-FC-B  | NG10                   | B1→B    | throttle check       |
| FT5-FC-AB | NG10                   | A1→A    | throttle check       |
| FT5-MP-P  | NG10                   | Confirm | Confirm              |
| FT5-CO-AB | NG10                   | Confirm | Confirm              |
| FT5-CO-B  | NG10                   | Confirm | Confirm              |
| FT5-CO-P  | NG10                   | Confirm | Confirm              |

Stackable valve functions and controlled flow paths for the listed NG interface size. Match A, B, P and T paths and any pilot/drain requirements to the complete manifold circuit. Confirm rated flow, working pressure, adjustment range and stack dimensions for the exact model.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

041 / FT5 - NG10 MANIFOLD BLOCKS

Hydraulic control components selected to the circuit function, flow and pressure.

Ordering references: MRSK5-08 / MRSK5-08VMP / MRSK5-12 / NG10-2MAN / NG10-3MAN / NG10-4MAN

FT5 NG10 MANIFOLD BLOCKS exact configuration

| Part code | Nominal connection size; thread system unspecified | Nominal size reference | Part type       | Station count |
|-----------|----------------------------------------------------|------------------------|-----------------|---------------|
| NG10-2MAN | Confirm                                            | NG10                   | manifold        | 2             |
| NG10-3MAN | Confirm                                            | NG10                   | manifold        | 3             |
| NG10-4MAN | Confirm                                            | NG10                   | manifold        | 4             |
| MRSK5-08  | 1/2                                                | Confirm                | single subplate | Confirm       |

Manifold station-count and subplate choices for the indicated nominal interface size. Confirm the valve mounting pattern, port threads, pressure rating, material and full block dimensions. Nominal NG size and station count alone do not prove fit or capacity.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

042 / Sectional Directional Valves

Configurable multi-function hydraulic control.

Ordering references: Q30-IN / Q30-STND / Q30-PR / Q30-OUT / Q50-IN / Q50-STND / Q50-PR / Q50-OUT / Q80-IN / Q80-STND / Q80-PR / Q80-OUT / Q130-IN / Q130-STND / Q130-PR / Q130-OUT

Sectional valve series components

| Part code | Part type                | Series | return port size inch | series flow l min (L/min) | work port size inch |
|-----------|--------------------------|--------|-----------------------|---------------------------|---------------------|
| Q30-IN    | inlet section            | Q30    | 1/2                   | 40                        | 3/8                 |
| Q30-STND  | standard working section | Q30    | 1/2                   | 40                        | 3/8                 |

Sectional valve series components

| Part code | Part type                   | Series | return port size inch | series flow l min (L/min) | work port size inch |
|-----------|-----------------------------|--------|-----------------------|---------------------------|---------------------|
| Q30-PR    | port-relief working section | Q30    | 1/2                   | 40                        | 3/8                 |
| Q30-OUT   | outlet section              | Q30    | 1/2                   | 40                        | 3/8                 |
| Q50-IN    | inlet section               | Q50    | 1/2                   | 60                        | 1/2                 |
| Q50-STND  | standard working section    | Q50    | 1/2                   | 60                        | 1/2                 |
| Q50-PR    | port-relief working section | Q50    | 1/2                   | 60                        | 1/2                 |
| Q50-OUT   | outlet section              | Q50    | 1/2                   | 60                        | 1/2                 |
| Q80-IN    | inlet section               | Q80    | 3/4                   | 90                        | 1/2                 |
| Q80-STND  | standard working section    | Q80    | 3/4                   | 90                        | 1/2                 |
| Q80-PR    | port-relief working section | Q80    | 3/4                   | 90                        | 1/2                 |
| Q80-OUT   | outlet section              | Q80    | 3/4                   | 90                        | 1/2                 |
| Q130-IN   | inlet section               | Q130   | 1                     | 150                       | 1                   |
| Q130-STND | standard working section    | Q130   | 1                     | 150                       | 1                   |
| Q130-PR   | port-relief working section | Q130   | 1                     | 150                       | 1                   |
| Q130-OUT  | outlet section              | Q130   | 1                     | 150                       | 1                   |

Inlet, working and outlet sections are separate components of each listed sectional-valve series. Series flow and port sizes describe the indicated configuration; they are not a rating of every possible assembled bank. Confirm spool functions, pressure, reliefs, tie rods, power-beyond arrangement and completed-bank dimensions.

Application & quotation checklist

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

043 / Load-Sensing Valve Banks

Demand-led hydraulic control through an integrated valve bank.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

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## 044 / Proportional Hydraulic Valves

Variable control of flow, direction or pressure.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

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## 045 / Cartridge Valves & Manifolds

Integrated hydraulic control and compact circuit packaging.

[Application & quotation checklist](#)

Circuit function and number of sections; Flow, pressure and port sizes; Control method and supply voltage if applicable; Circuit diagram and load-holding requirements

This family is specified to the required application and configuration. The quotation confirms the selected material, dimensions and operating rating; no universal rating is implied for every option.

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