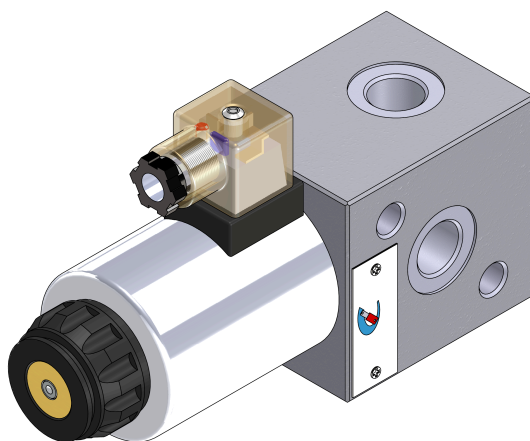


PRODUCT DATASHEET

IN-LINE DUMP & DIVERTER VALVES

Solenoid operated 3-way, 2-position in-line valves with 1/2" or 3/8" BSP ports, for 12 V or 24 V DC systems.

These compact in-line solenoid valves switch one hydraulic line between two ports. Plumbed as a dump valve, they send pump flow back to tank until the coil is energised, so the system runs off-load when no function is selected. Plumbed as a diverter, they switch flow from one service to another without a second control valve. Choose the HVC-3/2-10 for higher flows, or the more compact HVC6.



HVC-3/2-10 — SHOWN WITH SOLENOID COIL & HIRSCHMANN CONNECTOR

80 L/min

Maximum flow
(HVC-3/2-10)

250 bar

Maximum pressure
(HVC6)

1/2" - 3/8" BSP

Port sizes
available

12/24V

DC solenoid coil,
either voltage

RANGE OVERVIEW

Part number	Ports	Max flow	Max pressure	Function
HVC-3/2-10	1/2" BSP	80 L/min	210 bar	P to A or B — dump or diverter
HVC6A	G 3/8	50 L/min	250 bar	P to A or B — dump or diverter
HVC6B	G 3/8	50 L/min	250 bar	A to P or T — single-acting supply / return

KEY FEATURES

- One valve for two jobs: use it as a dump valve to unload the pump, or as a diverter between two circuits
- 12 V or 24 V DC coil with a standard Hirschmann (DIN) plug connector
- Spring return, so the valve goes back to its rest position when the coil is switched off
- In-line bodies with through mounting holes for simple installation

Ready to spec your valve?

Talk to us about lead times and pricing.

CALL 01535 617880

EMAIL sales@cchdraulics.co.uk

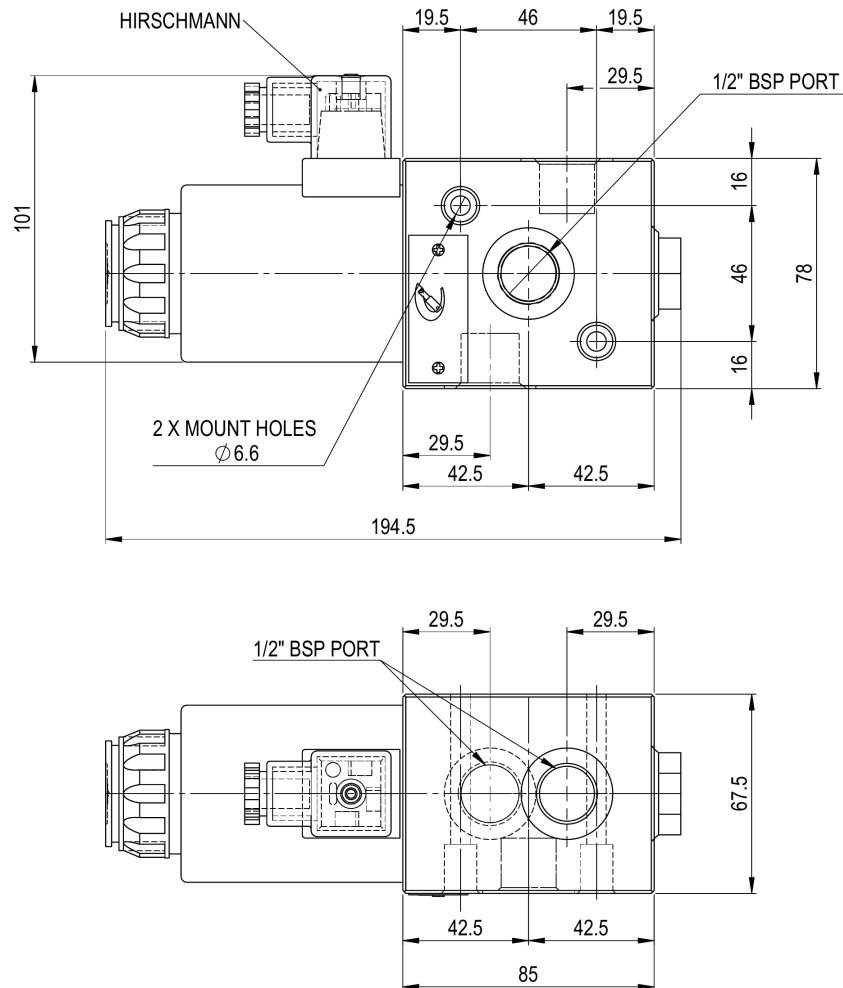
WEB www.cchdraulics.co.uk

UNIT 1 OF 2 — HVC-3/2-10

HVC-3/2-10 Dimensions

General arrangement of the HVC-3/2-10 valve, ports and mounting holes — all dimensions in millimetres unless noted.

GENERAL ARRANGEMENT — HVC-3/2-10

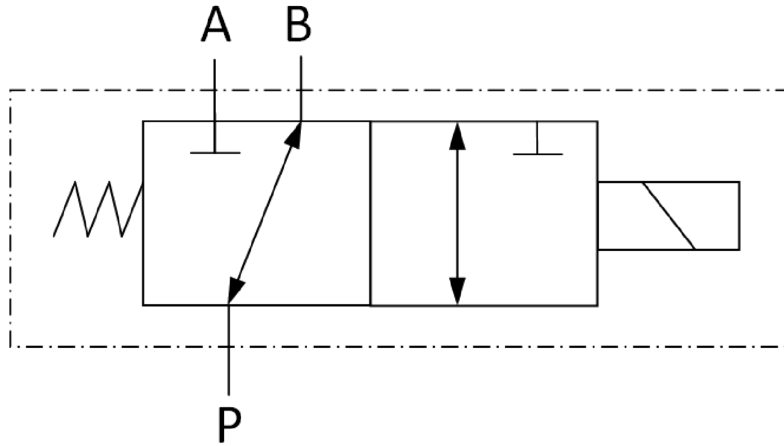


Reference	Dimension	Notes
Overall length	194.5 mm	Including solenoid coil
Overall height	101 mm	Including Hirschmann connector
Valve body	85 × 78 × 67.5 mm	Length × height × depth
Mounting holes	2 × Ø6.6	Through body, diagonally opposed
Ports	3 × 1/2" BSP	P, A and B
Weight	4.25 kg	

HVC-3/2-10 Specification

Hydraulic schematic, valve positions and technical data for the HVC-3/2-10.

HYDRAULIC SCHEMATIC



COIL OFF (SPRING POSITION)

P → B, port A blocked. As a dump valve, connect B to tank so the pump runs off-load.

COIL ENERGISED

P → A, port B blocked. Flow goes to the working circuit, or to the second service when used as a diverter.

SPECIFICATION SUMMARY

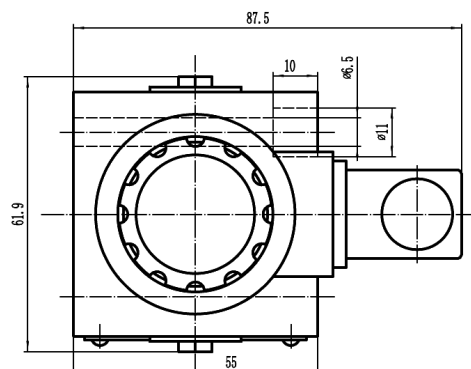
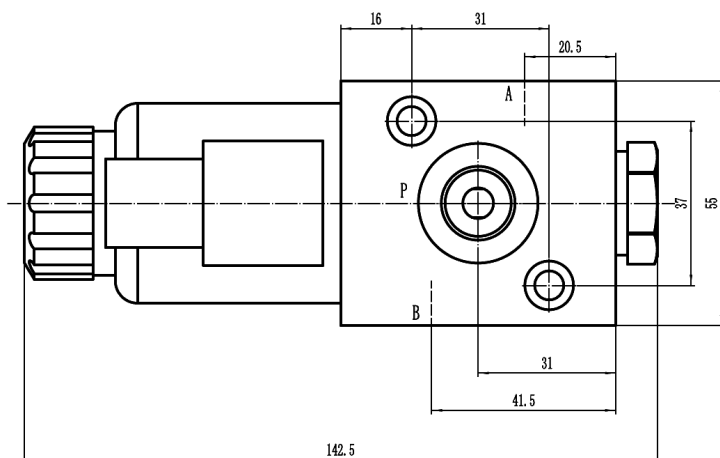
Part number	HVC-3/2-10
Valve type	3-way, 2-position solenoid valve, in-line mounting, spring return
Maximum flow	80 L/min
Operating pressure	210 bar
Ports	1/2" BSP (P, A, B)
Coil voltage	12 V DC or 24 V DC, specify at order
Electrical connection	Hirschmann (DIN) plug
Weight	4.25 kg

UNIT 2 OF 2 — HVC6

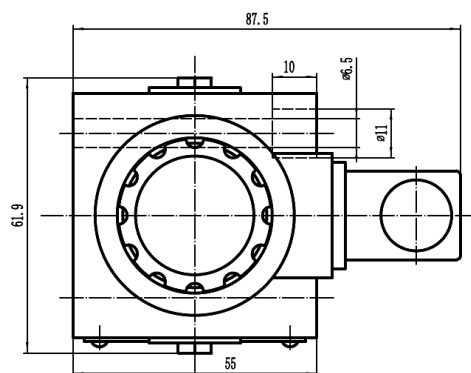
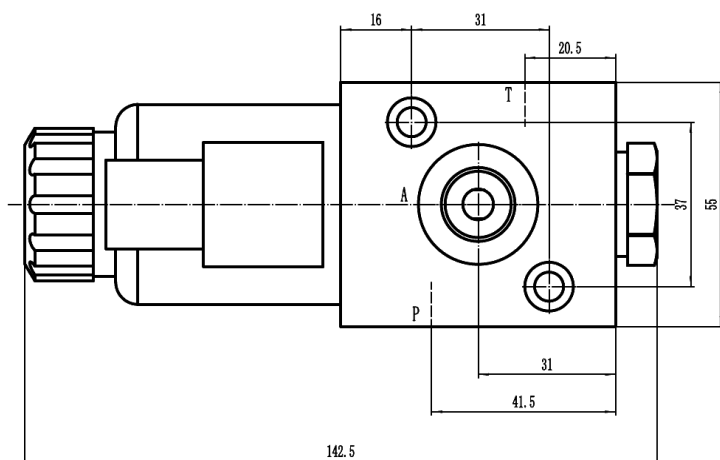
HVC6 Dimensions

General arrangement of the HVC6A and HVC6B valves, ports and mounting holes — all dimensions in millimetres unless noted.

GENERAL ARRANGEMENT — HVC6A



GENERAL ARRANGEMENT — HVC6B



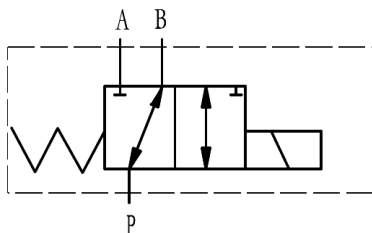
Reference	Dimension	Notes
Overall length	142.5 mm	Including solenoid coil
Valve body	55 × 61.9 mm	Body section, viewed from coil end
Width over connector	87.5 mm	Including Hirschmann connector
Mounting holes	2 × Ø6.5	Through body, 31 × 37 mm offset
Ports	3 × G 3/8	HVC6A: P, A, B — HVC6B: P, A, T

UNIT 2 OF 2 — HVC6

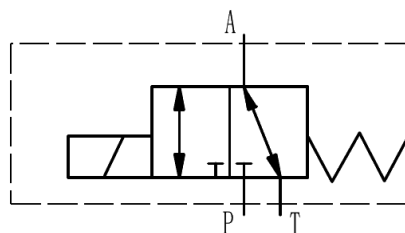
HVC6 Specification

Spool symbols, valve positions, technical data and ordering code for the HVC6 series.

TYPE A SYMBOL



TYPE B SYMBOL



HVC6A — DUMP / DIVERTER

Coil off: **P → B**, A blocked. Coil energised: **P → A**, B blocked.

HVC6B — SUPPLY / RETURN

Coil off: **A → T**, P blocked. Coil energised: **P → A**, T blocked.

SPECIFICATION SUMMARY

Valve type	3-way, 2-position solenoid valve, in-line mounting, spring return
Maximum flow	50 L/min
Maximum operating pressure	250 bar (25 MPa)
Ports	G 3/8 (SAE 8 also available)
Coil voltage	12 V DC or 24 V DC
Electrical connection	Large square DIN plug with indicator light (Z5L)
Body	Cast, phosphate surface treatment
Oil cleanliness	NAS 1638 class 9 / ISO 4406 20/18/15

ORDERING CODE

HVC6

A

G3/8

DC24

Z5L

A / B	Spool type — A: P to A or B; B: A to P or T
G3/8 / SAE8	Port thread
DC12 / DC24	Coil voltage

Ready to spec your valve?

Talk to us about lead times and pricing.

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EMAIL sales@cchdraulics.co.uk

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