



Three valves compared:

INFOGRAPHIC

Electrohydraulic Valves from Thomas

The compact PPCD04 CPA

The **Compact Pilot Actuator (CPA)** is only 26 mm wide and can now be used to design even smaller electrified main control valves than before when combined with the 60° connector. This allows our customers to manufacture smaller construction machinery that is smart, fuel-efficient, and saves on cost.



The CPA is the best choice for applications that...

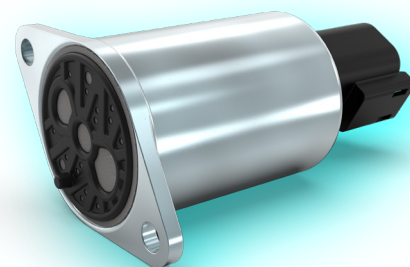
- are cost-sensitive
- need flexibility in their assembly or installation
- require a high current resolution
- offer little construction space and minimal headroom
- call for ultra-short response times

The original PPCD04 IPH

The **Integrated Pilot Head (IPH)** is extremely compact, because it houses all the hydraulic functions, including the valve sleeve, inside the solenoid. The connection interface does not require any time-consuming cavity machining, making mounting quick and easy. An integrated filter element also protects all the hydraulic connections from dirt.

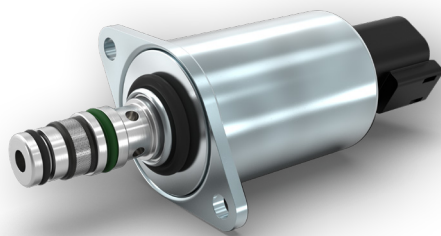
The IPH is the best choice for applications that...

- offer minimal construction space
- have to be especially robust and resistant to dirt
- need to be assembled or installed fast, safely, and securely
- require a flow rate of 2.5 l/min.



The universal PPCD04 NG


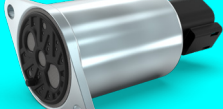
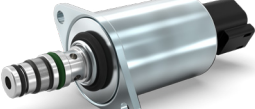
Like all proportional pressure control valves from Thomas, the **PPCD04 NG** boasts minimal hysteresis, high repeat accuracy, and a low leakage rate. Its performance never falters, even under tough conditions. Thomas's modular system allows this high-performing, tried-and-tested valve type to be adapted to suit any application.



The PPCD04 NG is the best choice for users who...

- require a design that offers maximum value for money
- prefer a universal valve type for all their applications
- need a specific variant in short order
- require a tank pressure greater than 10 bar
- value high quality that has proven its worth over many years

AT A GLANCE

	 The compact PPCD04 CPA	 The original PPCD04 IPH	 The universal PPCD04 NG
Section width	Min. 27 mm	Min. 31 mm	Min. 31 mm
Spool diameter on main control valve	< 16 mm	< 16 mm	< 22 mm
Connector required	DT	DT/AMP	DT/AMP/flying leads
Control pressure required	16 20 25 bar	20 25 30 bar	20 25 32 bar
Recommended connection	Hydraulic block	Direct connection	Hydraulic block
Main control valve flow rate	30–120 l/min.	30–120 l/min.	30–200 l/min.
Manual override	✗	✗	✓
Flexible attachment required	✓	✗	✗
Unique features	- 26 mm wide - Angled connector - Response time: approx. 15 ms - For cost-sensitive applications	- Integrated valve sleeve - Flow rate of 2,5 l/min.	- Switching valve available for the same mounting hole - Valve type can be adapted to suit all applications

Can't see your favorite? Juri Buss will be happy to advise you!



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