

Part number:



HYDROMA
HYDRAULICKÉ SYSTÉMY

HIDROMA
SISTEMS
UKŁADY HYDRAULICZNE

HYDROMA
ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ



CVM3

CHECK VALVE, DIRECT OPERATED

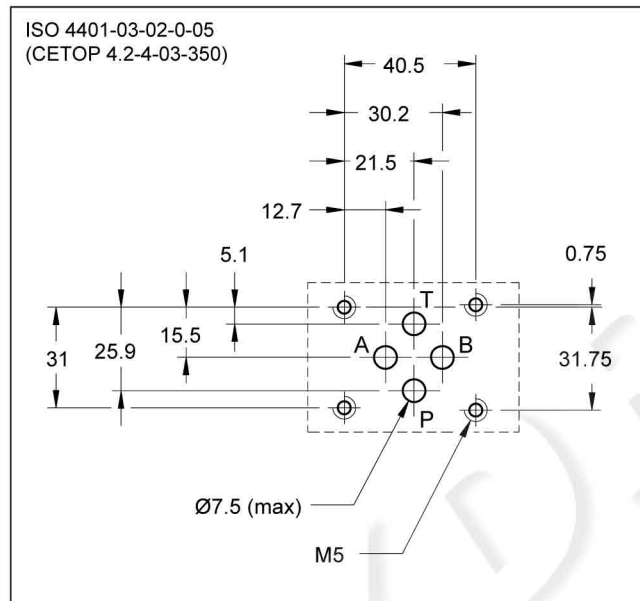
SERIES 10

MODULAR VERSION ISO 4401-03

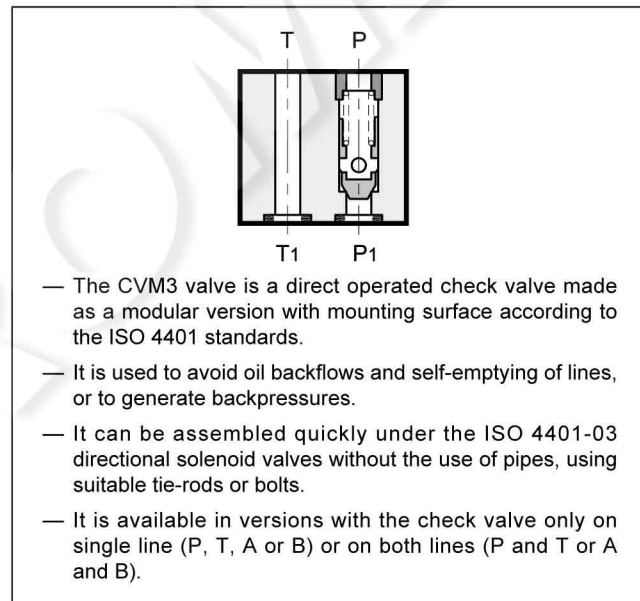
p max **350** bar

Q max (see table of performances)

MOUNTING INTERFACE



OPERATING PRINCIPLE

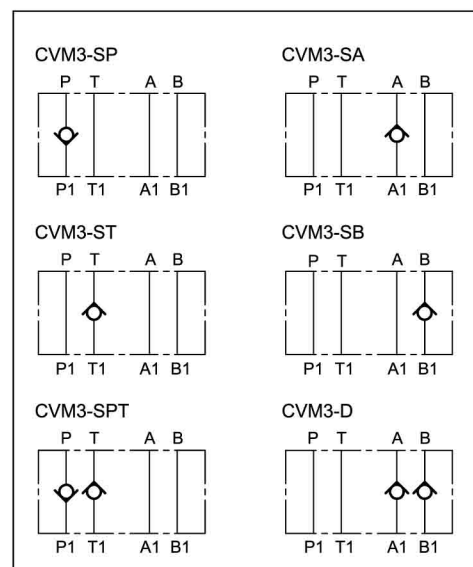


PERFORMANCES

(measured with mineral oil of viscosity 36cSt at 50 °C)

Maximum operating pressure	bar	350
Check valve cracking pressure	bar	0,5 - 3 - 5
Maximum flow rate in controlled lines Maximum flow rate in the free lines	l/min	50 75
Ambient temperature range	°C	-20 / +60
Fluid temperature range	°C	-20 / +80
Fluid viscosity range	cSt	10 ÷ 400
Fluid contamination degree	According to ISO 4406:1999 class 20/18/15	
Recommended viscosity	cSt	25
Mass	kg	1

HYDRAULIC SYMBOLS



1 - IDENTIFICATION CODE

C	V	M	3	-		/	10	
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Check valve _____

Modular version _____

ISO 4401-03 size _____

SP = check valve on line P
 SA = check valve on line A
 SB = check valve on line B
 ST = check valve on line T
 SPT = check valves on lines P and T
 D = check valves on lines A and B

Option: /W7 = zinc-nickel surface treatment. Omit if not required (**NOTE**)

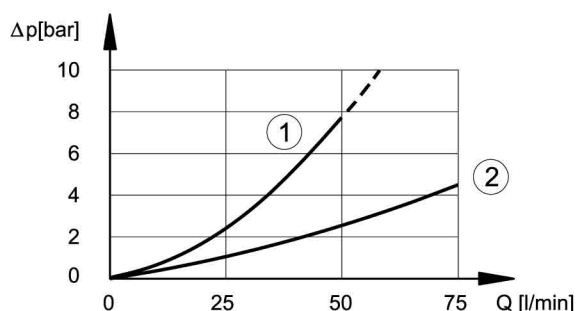
Seals:
 N = NBR seals for mineral oils (**standard**)
 V = FPM seals for special fluids

Series No. (the overall and mounting dimensions remain unchanged from 10 to 19)

Cracking pressure:
 0.5 = 0.5 bar 3 = 3 bar 5 = 5 bar

NOTE: The standard valve is supplied with surface treatment of phosphating black.
 The zinc-nickel finishing on the valve body makes the valve suitable to ensure a salt spray resistance up to **600** hours.
 (test operated according to UNI EN ISO 9227 standards and test evaluation operated according to UNI EN ISO 10289 standards).

2 - CHARACTERISTIC CURVES (viscosity of 36 cSt at 50 °C)



- 1) pressure drops on controlled lines
- 2) pressure drops on free lines

NOTE: check valve cracking pressure must be added to the values indicated in the curve 1 in the diagram.

4 - OVERALL AND MOUNTING DIMENSIONS

