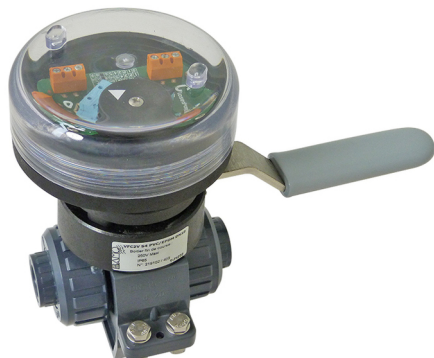


# Manually operated 2-way ball valves and limit switches VM2V S4 FDC



- Radial mounting and dismounting
- 100 % full flow
- 2 limit switches

## APPLICATIONS

These valves are ideal for applications where the ball valve position must be known remotely at all times.

## DESCRIPTION

The VM2V S4 FDC consists of a manual valve made of PVC, PPH, or PVDF, equipped with a limit switch box.

## TECHNICAL FEATURES

Body	PVC or PPH or PVDF
Seals	EPDM or FPM
Ball	Same material as the body
Ball seat	PTFE
Fittings	Unions (socket ends)
Movement	90°
Switches	Micro-switch 83.170.4 IX2 (N.O. - open) Micro-switch 83.170.4 IX3 (N.C. - closed)
Switching power	5 A, Max. 250 V
Contacts	Silver Nickel (AgNi)
Switching duty	3 x 10 <sup>7</sup> breaks
Protection	IP 65
Temperature	-20 ... +70 °C
Switching accuracy	1.5°
Case	Nylon - PA 6.6 FV 30%
Case cover	Lexan - Polycarbonate
Seal (case)	Nitrile
PE cable gland	ISO M20
Hygrometry	RH < 70 %

The set must not be used upside down and shall be placed at more than 30 cm of any source of electromagnetic interferences.

**EC Conformity:** The instrument meets the legal requirements of the current European Directives.

## CODE NUMBERS AND REFERENCES

	PVC body		PPH body		PVDF body
	EPDM seals	FPM seals	EPDM seals	FPM seals	FPM seals
<b>ND 10</b>	934 901	934 911	934 921	934 931	934 941
<b>ND 15</b>	934 902	934 912	934 922	934 932	934 942
<b>ND 20</b>	934 903	934 913	934 923	934 933	934 943
<b>ND 25</b>	934 904	934 914	934 924	934 934	934 944
<b>ND 32</b>	934 905	934 915	934 925	934 935	934 945
<b>ND 40</b>	934 906	934 916	934 926	934 936	934 946
<b>ND 50</b>	934 907	934 917	934 927	934 937	934 947

(Other sizes: on request)

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Manually operated 2-way ball  
valves and limit switches  
**VM2V S4 FDC**

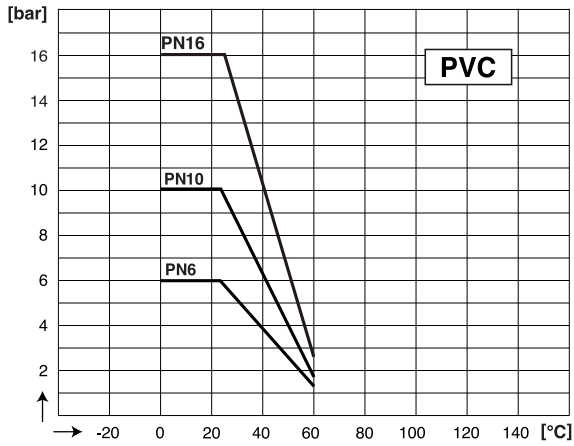
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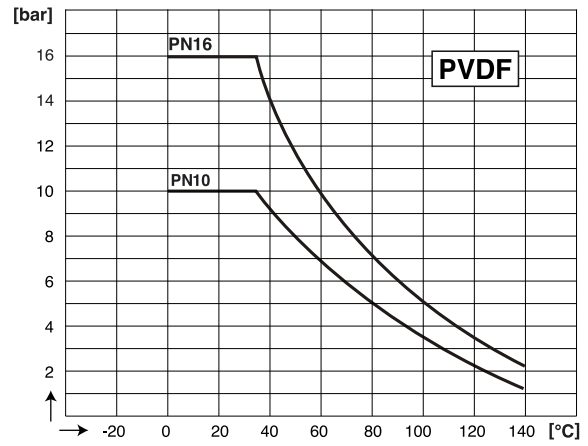
**PLAS**

**934-03/1**

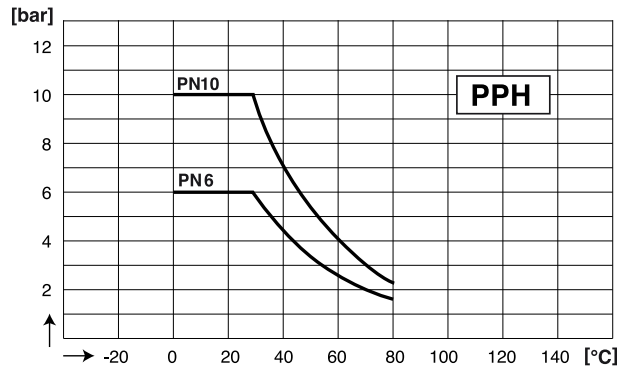
**PHYSICAL FEATURES**



PN16 → DN10...DN 65 ; PN10 → DN80 ; PN6 → DN100



PN16 → DN10...DN 65 ; PN10 → DN80...DN100



PN10 → DN10...DN 65 ; PN6 → DN80...DN100

**Kv values table (water at 20°C)**

	Pressure drop			Pressure drop			Pressure drop	
	1 bar	1 mbar		1 bar	1 mbar		1 bar	1 mbar
<b>ND 10</b>	107 l/min	3.4 l/min	<b>ND 25</b>	843 l/min	26.7 l/min	<b>ND 50</b>	3424 l/min	110 l/min
<b>ND 15</b>	278 l/min	8.8 l/min	<b>ND 32</b>	1269 l/min	40.1 l/min	<b>ND 65</b>	5133 l/min	165 l/min
<b>ND 20</b>	509 l/min	16.1 l/min	<b>ND 40</b>	1858 l/min	58.7 l/min	<b>ND 80</b>	7455 l/min	240 l/min

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**Manually operated 2-way ball valves and limit switches**  
**VM2V S4 FDC**

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**PLAS**

**934-03/2**