



# VALVE POSITION INDICATOR

Product sheet





Netherlocks' Valve Position Indicator (VPI) seamlessly provides an overview of positions of the manual valves within your plant network that saves costs, time and avoids safety issues due to misalignment of manually operated valves.

## VPI model series

### **A-series: highly durable, lightweight models for any onshore application**

The VPI A-series are made of high quality, powder coated aluminium. The A-series are fit for operation in any type of onshore environment, from arctic to desert weather conditions.

### **S-series: extreme performance for offshore environments**

The VPI S-series are made of the best quality AISI 316 stainless steel. With its extreme durability, the S-series resist even the roughest offshore conditions and all weather types. VPI characteristics

## Size range

VPI fits any type of manual multi-turn valve or gearbox and can be configured from 5 up to 210 rotations. There are two body sizes available, that apply depending on your valve stem size.

- > Small body valve spindle diameter < 27 mm
- > Large body valve spindle diameter < 70 mm

## Classifications

Product IP Rating: IP66

VPI is an ATEX and IECEx certified product, approved for use in zone 1 classified areas.

Certifications:

 II 2 G Ex ia IIC T6/T4 Gb  
II 2 D Ex ia IIIC T80°C/T130°C Db

- > ATEX: KIWA 15ATEX0032X
- > IECEx: IECEx KIWA 15.0013X





## SIZES AND MATERIALS

	VPI A-series Small	VPI A-series Large	VPI S-series Small	VPI S-series Large
Body material	Aluminium A360	Aluminium A360	Stainless steel AISI 316	Stainless steel AISI 316
Body coating	Interpon 610 powder coating	Interpon 610 powder coating	N/A	N/A
Hand wheel material	Carbon steel coated	Carbon steel coated	AISI 316	AISI 316
Bracket material	AISI 316	AISI 316	AISI 316	AISI 316
Adaptor material	AISI 316	AISI 316	AISI 316	AISI 316
Total weight (kg)	1.8	3.8	3.3	6.4
Dimensions (mm) L X W X H	191x120x142	220x177x178	191x120x142	220x177x178
Spindle diameter (mm)	5-27	20-70	5-27	20-70
Drive bush thread range (mm)	5-36	30-80	5-36	30-80

Note: Weights exhibited above are excluding the weight of the adaptor and the hand wheel of the VPI





## SENSOR OPTIONS

Type	Brand	Model
NAMUR sensor	Pepperl+Fuchs	SC3.5-G-NO
Safety NAMUR sensor	Pepperl+Fuchs	NJ3-18GK-S1N
Dry contact switch	Omron	D2VW-01L2A-1M
Leverless limit switch*	Topworx GO switch	74-1352H-S2

\* For large model only. Intrinsically safe, use suitable barrier

## APPROVALS & OPERATING CONDITIONS

Sensor option	Ex rating without LEDs	Ex rating with LEDs
NAMUR sensor Pepperl + Fuchs SC3.5-G-NO	II 2G Ex ia IIC T6/T4 Gb II 2D Ex ia IIIC T80°C/T130°C Db -25°C ≤ Ta ≤ +70°C/+100°C	II 2G Ex ia IIC T4 Gb II 2D Ex ia IIIC T130°C Db -25°C ≤ Ta ≤ +50°C
Safety NAMUR sensor Pepperl + Fuchs NJ3-18GK-S1N	II 2G Ex ia IIC T6/T4 Gb II 2D Ex ia IIIC T80°C/T130°C Db -25°C ≤ Ta ≤ +70°C/+100°C	II 2G Ex ia IIC T4 Gb II 2D Ex ia IIIC T130°C Db -25°C ≤ Ta ≤ +50°C
Dry contact switch Omron D2VW-01L2A-1M	II 2G Ex ia IIC T6 Gb II 2D Ex ia IIIC T85°C Db -40°C ≤ Ta ≤ +80°C	II 2G Ex ia IIC T4 Gb II 2D Ex ia IIIC T130°C Db -40°C ≤ Ta ≤ +50°C
Leverless limit switch Topworx GO switch 74-1352H-S2	II 2G Ex ia IIC T6/T4 Gb II 2D Ex ia IIIC T85°C/T130°C Db -40°C ≤ Ta ≤ +50°C/+100°C	II 2G Ex ia IIC T4 Gb II 2D Ex ia IIIC T130°C Db -40°C ≤ Ta ≤ +50°C





### MODEL CONFIGURATION

Material	Size	Sensor type	Detection mode	Local indication
<b>A</b> A-series	<b>S</b> Small	1 Pepperl + Fuchs SC3.5-G-NO	<b>O</b> Open	<b>N</b> Without lights
<b>S</b> S-series	<b>L</b> Large	2 Pepperl + Fuchs NJ3-18GK-S1N	<b>C</b> Closed	<b>L</b> With LED lights
		3 Dry contact switch Omron D2VW-01L2A-1M	<b>D</b> Dual (Open & Closed)	
		4 Topworx GO switch 74-1352H-S2		

### CONFIGURATION EXAMPLE

Requirement	Model code
Valve position indicator for multi-turn valves	<b>VPI</b>
For onshore application (Aluminium housing)	<b>A</b>
Small size body	<b>S</b>
Dry contact Omron switch	<b>3</b>
Open and closed detection	<b>D</b>
Without LED lights	<b>N</b>
<b>Required VPI model</b>	<b>VPI-A-S3DN</b>

