

# Prowirl 72F



More information and current pricing:

[www.apsc.endress.com/72F](http://www.apsc.endress.com/72F)

## Benefits:

- Highest process safety – dualsens version enables redundant measurement
- High availability – proven robustness, resistance to vibrations, temperature shocks & water hammer
- No maintenance – lifetime calibration
- Cost-effective – designed for standard applications and with calculated mass flow measurement
- Fast commissioning – application-specific Quick Setups
- Fully industry compliant – IEC/ATEX/FM/CSA/TIIS/NEPSI

## Specs at a glance

- **Max. measurement error** Volume flow:  $\pm 1.0\%$
- **Measuring range** 3...19'700 m<sup>3</sup>/h
- **Medium temperature range** -200...+400°C (-328...+752°F) up to +450°C / 842°F on request
- **Max. process pressure** PN10...250 CI 150...1500 JIS 10...40K

**Field of application:** The Prowirl 72F is designed for the universal measurement of the volume flow of gases, steam and liquids. The proven and patented capacitive DSC sensor ensures high precision measured values even under the toughest process conditions. The Prowirl 72F offers genuine, industry-compliant two-wire technology for seamless integration into existing infrastructures and control systems.

## Features and specifications

Steam

**Measuring principle**

Vortex

## Steam

**Product headline**

Volume flow meter for measurement of basic liquid / gas /steam applications

---

**Nominal diameter range**

DN 15...300  
1/2"...12"

---

**Max. measurement error**

Volume flow: +/-1.0 %

---

**Measuring range**

3...19'700 m<sup>3</sup>/h

---

**Max. process pressure**

PN10...250  
CI 150...1500  
JIS 10...40K

---

**Medium temperature range**

-200...+400°C  
(-328...+752°F)  
up to +450°C / 842°F on request

---

**Degree of protection**

IP 67  
NEMA 4x

---

**Display/Operation**

Two line liquid  
Crystal display  
Push buttons  
Quick Setup

---

**Outputs**

4...20mA  
Pulse  
Status  
PFM

---

---

**Steam****Inputs**

-

**Digital communication**

HART

PROFIBUS PA

FOUNDATION Fieldbus

**Hazardous area approvals**

ATEX

FM

CSA

TIIS

NEPSI/IEC on request

---

**Liquids****Measuring principle**

Vortex

**Product headline**

Volume flow meter for measurement of basic liquid / gas /steam applications

**Nominal diameter range**

DN 15...300

1/2"...12"

**Max. measurement error**

+-0.75 %

**Measuring range**0.16...2'360 m<sup>3</sup>/h**Max. process pressure**

PN10...250

CI 150...1500

JIS 10...40K

---

## Liquids

**Medium temperature range**

-200...+400°C

(-328...+752°F)

up to +450°C / +842°F on request

---

**Degree of protection**

IP 67

NEMA 4x

---

**Display/Operation**

Two line liquid

crystal display

Push buttons

Quick Setup

---

**Outputs**

4...20mA

Pulse

Status

PFM

---

**Inputs**

-

---

**Digital communication**

HART

PROFIBUS PA

FOUNDATION Fieldbus

---

**Hazardous area approvals**

ATEX

FM

CSA

TIIS

NEPSI/IEC on request

---

---

Gas	<b>Measuring principle</b> Vortex
	<b>Product headline</b> Volume flow meter for measurement of basic liquid / gas /steam applications
	<b>Nominal diameter range</b> DN 15...300 1/2"...12"
	<b>Max. measurement error</b> Volume flow: +-1.0 %
	<b>Measuring range</b> 3...19'700 m <sup>3</sup> /h
	<b>Max. process pressure</b> PN10...250 CI 150...1500 JIS 10...40K
	<b>Medium temperature range</b> -200...+400°C (-328...+752°F) up to +450°C / 842°F on request
	<b>Degree of protection</b> IP 67 NEMA 4x
	<b>Display/Operation</b> Two line liquid Crystal display Push buttons Quick Setup

---

Gas

**Outputs**

4...20mA  
Pulse/Frequency  
Status

---

**Inputs**

-

---

**Digital communication**

HART  
PROFIBUS PA  
FOUNDATION Fieldbus

---

**Hazardous area approvals**

ATEX  
FM  
CSA  
TIIS  
NEPSI/IEC on request

---

More information [www.apsc.endress.com/72F](http://www.apsc.endress.com/72F)