

# Deltatop DR61S



More information and current pricing:

[www.casc.endress.com/DR61S](http://www.casc.endress.com/DR61S)

## Benefits:

- Customized or application-specific flowmeter systems based on the differential pressure method for special applications, such as controlled pressure reduction or restriction flow
- Optimized for wishes pressure loss
- Single hole, multi holes or multistep design
- Plate thickness is calculated based on AD 2000
- Robust design without moving parts

## Specs at a glance

- **Max. measurement error** n.a.
- **Measuring range** n.a.
- **Medium temperature range** -200°C ... 1000°C -328°F ... 1832°F
- **Max. process pressure** PN2,5 ... 400 Cl.150 ... 4500

**Field of application:** The Deltatop DR61S is part of the universal differential pressure flowmeter systems with primary elements as Venturi tubes, nozzles, orifice plates and Deltabar differential pressure transmitters. Restriction orifices are installed in pipes with the specific aim of reducing pressure or restricting flow. Generally speaking, restriction orifices are very similar to orifice plates but the former do not need an additional transmitter as in the case of flow measurement.

## Features and specifications

Steam

### Measuring principle

Differential pressure

### Product headline

Restriction orifice for controlled pressure reduction or flow limitation.

---

**Steam****Sensor features**

Carrier ring versions.

Weld-in versions.

Multihole/multistep design available for reduced noise level and cavitation prevention.

---

**Nominal diameter range**

DN 10...2000

1/4" ... 80"

---

**Max. measurement error**

n.a.

---

**Max. process pressure**

PN2,5 ... 400

Cl.150 ... 4500

---

**Medium temperature range**

-200°C ... 1000°C

-328°F ... 1832°F

---

**Outputs**

n.a.

---

**Digital communication**

n.a.

---

**Liquids****Measuring principle**

Differential pressure

---

**Product headline**

Restriction orifice for controlled pressure reduction or flow limitation.

---

---

## Liquids

### Sensor features

Carrier ring versions.

Weld-in versions.

Multihole/multistep design available for reduced noise level and cavitation prevention.

---

### Nominal diameter range

DN 10...2000

1/4" ... 80"

---

### Max. measurement error

n.a.

---

### Measuring range

n.a.

---

### Max. process pressure

PN2,5 ... 400

Cl.150 ... 4500

---

### Medium temperature range

-200°C ... 1000°C

-328°F ... 1832°F

---

### Degree of protection

n.a.

---

### Display/Operation

n.a.

---

### Outputs

n.a.

---

### Inputs

n.a.

---

### Digital communication

n.a.

---

---

**Liquids****Hazardous area approvals**n.a.

---

**Gas****Measuring principle**Differential pressure

---

**Product headline**Restriction orifice for controlled pressure reduction or flow limitation.

---

**Sensor features**

Carrier ring versions.

Weld-in versions.

Multihole/multistep design available for reduced noise level and cavitation prevention.

---

**Nominal diameter range**

DN 10...2000

1/4" ... 80"

---

**Max. measurement error**n.a.

---

**Max. process pressure**

PN2,5 ... 400

Cl.150 ... 4500

---

**Medium temperature range**

-200°C ... 1000°C

-328°F ... 1832°F

---

**Outputs**n.a.

---

**Digital communication**n.a.

---

More information [www.casc.endress.com/DR61S](http://www.casc.endress.com/DR61S)