

Auslegungsblatt - Datenblatt / Staudrucksonden

Mit * markierte Felder sind zwingend auszufüllen

Projekt:
 Kunde: K.-Projektnr.: Ansprechpartner:

Bestellcode

	Bestellcode	Auftragsnummer	Position(en)
Wirkdruckgeber	<input type="text"/>	<input type="text"/>	<input type="text"/>
Transmitter	<input type="text"/>	<input type="text"/>	<input type="text"/>

Tag:

Hauptparameter

Medium: * Status * Gas Flüssigkeit Dampf

Prozessbedingungen

Druck * Bei Relativdruck ist die Angabe des Luftdruckes erforderlich, falls von Meereshöhe abweichend Einheit
 absolut relativ Luftdruck:

Nur bei Gasen: Die Angaben zum Durchfluß bzw. zur Dichte des Medium beziehen sich auf folgende Bedingungen:

	Betrieb	Normal	Standard (gemäß Referenzbedingungen)	Einheit
Durchfluß *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Referenztemp.: <input type="text"/>
Dichte *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Referenzdruck: <input type="text"/>
Feuchtes Gas *	<input type="radio"/> ja	<input type="radio"/> nein		

	minimal	nominal	maximal	Einheit
Erf. Durchfluß:	<input type="text"/>	<input type="text"/>	* <input type="text"/>	* <input type="text"/>
Druck:	<input type="text"/>	* <input type="text"/>	<input type="text"/>	* <input type="text"/>
Temperatur:	<input type="text"/>	* <input type="text"/>	<input type="text"/>	* <input type="text"/>
Dichte: 1)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Viskosität: 1)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Z-Faktor: 1,2)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Isentropenexponent: 1,2)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Die Auslegung erfolgt auf maximalen Durchfluß, sowie nominalen Druck und Temperatur.

Der maximale Durchfluß entspricht dem Messbereichsende.

1) Bei eindeutig spezifizierten Flüssigkeiten und Gasen (z.B. Wasser oder Luft) sind diese Angaben nicht notwendig.

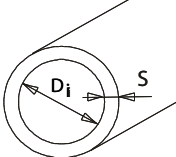
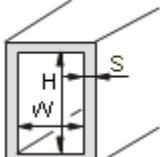
2) Nur für Gase. Wenn die Werte nicht bekannt sind erfolgt die Auslegung mit Standardwerten oder nach der Idealgasgleichung.

Messgerät

Nennweite: * Druckstufe: *

Rohrdaten

Einbaulage s. Blatt 2

Rohr (rund)	Einheit	Rechteckkanal	Einheit
	Innendurchmesser (DI): *		Kanalhöhe (H): *
	Wandstärke (S): *		Kanalbreite (W): *
	Isolationsdicke: *		Wandstärke (S): *
	Rohrmaterial: *		Isolationsdicke: *
			Rohrmaterial: *

Die Angabe der genauen Innendurchmesser und Wandstärke ist zwingend erforderlich.

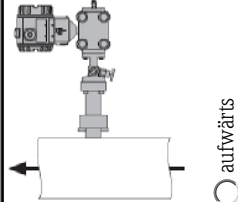
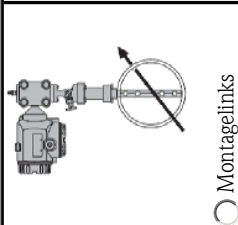
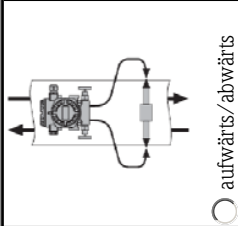
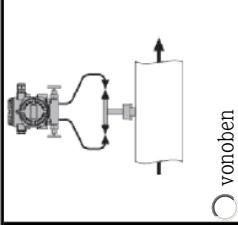
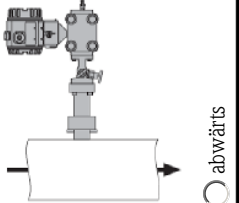
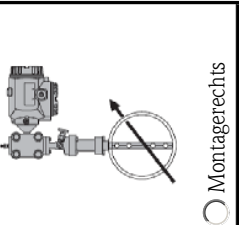
Die Angabe der DIN Nennweite DNxxx ist nicht ausreichend. Die Angabe des Schedule nach ASME für ANSI Rohre ist ausreichend.

Zusatzangaben

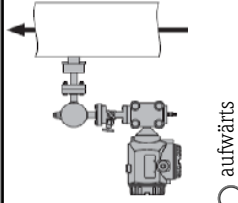
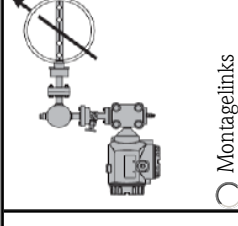
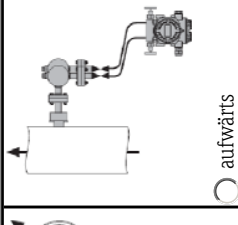
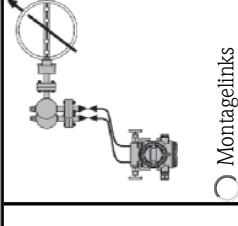
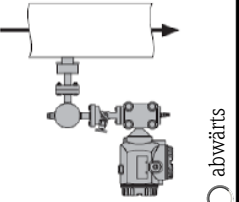
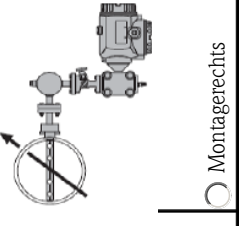
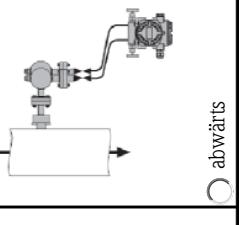
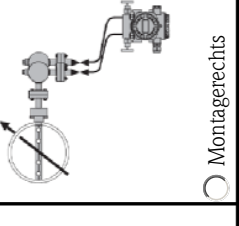
Temperaturtransmitter * nicht für DP61D

<input type="radio"/> Ohne Temperaturfühler	<input type="radio"/> PT100 Sensor mit 4...20mA Transmitter	Einheit
<input type="radio"/> PT100 Sensor ohne Transmitter	<input type="radio"/> Messbereichsanfang	<input type="text"/>
	<input type="radio"/> Messbereichsende	<input type="text"/>

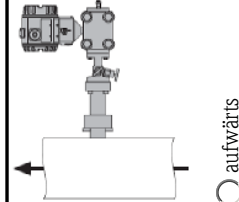
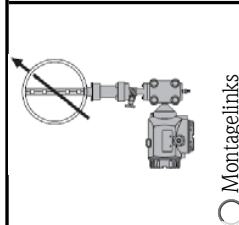
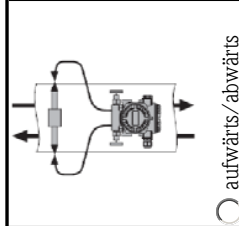
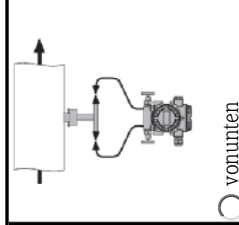
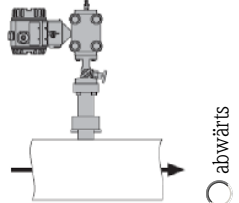
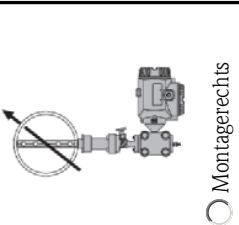
Gas:

 <p>kompekt,vertikal</p> <p><input type="radio"/> aufwärts</p>	 <p>kompekt,horizontal</p> <p><input type="radio"/> Montagelinks</p>	 <p>getrennt,vertikal</p> <p><input type="radio"/> aufwärts/abwärts</p>	 <p>getrennt,horizontal</p> <p><input type="radio"/> vonoben</p>
 <p><input type="radio"/> abwärts</p>	 <p><input type="radio"/> Montagerechts</p>		

Dampf:

 <p>kompekt,vertikal</p> <p><input type="radio"/> aufwärts</p>	 <p>kompekt,horizontal</p> <p><input type="radio"/> Montagelinks</p>	 <p>getrennt,vertikal</p> <p><input type="radio"/> aufwärts</p>	 <p>getrennt,horizontal</p> <p><input type="radio"/> Montagelinks</p>
 <p><input type="radio"/> abwärts</p>	 <p><input type="radio"/> Montagerechts</p>	 <p><input type="radio"/> abwärts</p>	 <p><input type="radio"/> Montagerechts</p>

Flüssigkeiten:

 <p>kompekt,vertikal</p> <p><input type="radio"/> aufwärts</p>	 <p>kompekt,horizontal</p> <p><input type="radio"/> Montagelinks</p>	 <p>getrennt,vertikal</p> <p><input type="radio"/> aufwärts/abwärts</p>	 <p>getrennt,horizontal</p> <p><input type="radio"/> vonunten</p>
 <p><input type="radio"/> abwärts</p>	 <p><input type="radio"/> Montagerechts</p>		

Sizing Sheet - data sheet / Pitot Tube

Fields marked with * are mandatory to be filled-in

Project:

Customer: Project-no.: Contact partner:

Order Code

	Order code	Order no.	Position(s)
Primary element	<input type="text"/>	<input type="text"/>	<input type="text"/>
Transmitter	<input type="text"/>	<input type="text"/>	<input type="text"/>

Tag:

Main Parameter

Medium: * Status * Gas Liquid Steam

Operating Conditions

Pressure * For gauge pressure the ambient pressure is additionally required if different from sea level. unit

absolute gauge ambient pressure:

Only for gases: The values for requested flow resp. density of the medium are based on the following conditions:

	operating	normal	standard (acc. to reference conditions)	unit
Flow rate *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Reference temp.: <input type="text"/>
Density *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Reference pressure: <input type="text"/>

Wet gas * yes no

	minimum	nominal	maximum	unit
Requested flow:	<input type="text"/>	<input type="text"/>	* <input type="text"/>	*
Pressure:	<input type="text"/>	* <input type="text"/>	<input type="text"/>	*
Temperature:	<input type="text"/>	* <input type="text"/>	<input type="text"/>	*
Density: 1)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Viscosity: 1)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Z-factor: 1,2)	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Isentropic index: 1,2)	<input type="text"/>	<input type="text"/>	<input type="text"/>	

The sizing will be based on the maximum requested flow and nominal pressure and temperature.

The maximum requested flow will be set as upper range value.

1) For clearly specified fluids (e.g. water or air) those entries are not mandatory.

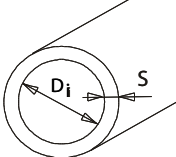
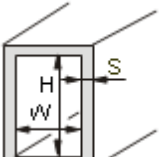
2) For gases only. If there are no values available the sizing will be based on standard values or the ideal gas law.

Flowmeter

Nominal width: * Pressure rating: *

Pipe dimensions

Mounting position s. sheet 2

Pipe (round)	unit	Rectangular duct	unit
 Inner diameter (DI): * <input type="text"/>	<input type="text"/>	 Duct height (H): * <input type="text"/>	<input type="text"/>
Wall thickness (S): * <input type="text"/>	<input type="text"/>	Duct width (W): * <input type="text"/>	<input type="text"/>
Isolation thickness: * <input type="text"/>	<input type="text"/>	Wall thickness (S): * <input type="text"/>	<input type="text"/>
Pipe material: * <input type="text"/>	<input type="text"/>	Isolation thickness: * <input type="text"/>	<input type="text"/>
		Pipe material: * <input type="text"/>	<input type="text"/>

The exact specification of the internal dimensions and wall thickness is absolutely necessary.

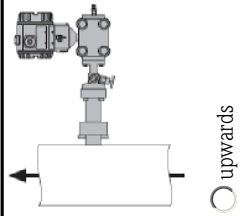
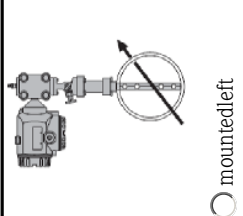
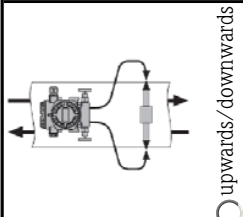
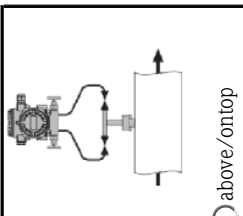
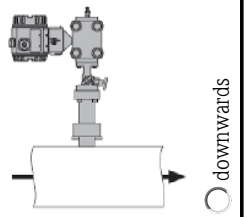
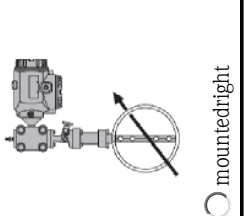
Nominal widths of DIN pipes DNxxx are not sufficient. Nominal widths of ANSI pipes including schedules according to ASME are sufficient.

Additional Data

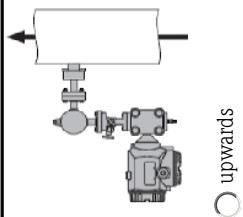
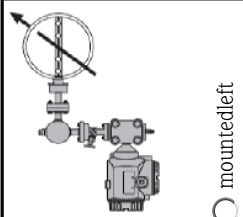
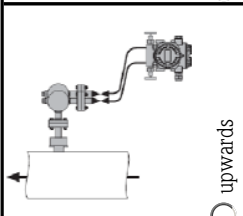
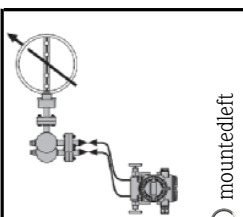
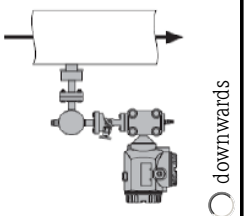
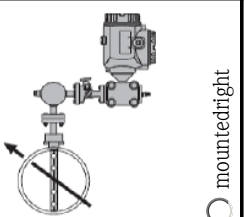
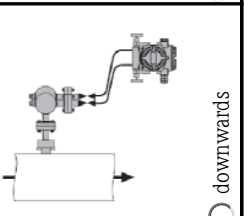
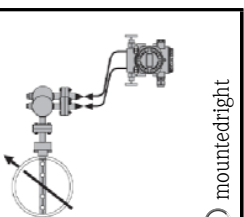
Temperature transmitter not applicable for DP61D

<input type="radio"/> without temperature sensor	<input type="radio"/> PT100 sensor with 4...20mA transmitter	unit
<input type="radio"/> PT100 sensor without transmitter	<input type="radio"/> Lower range value	<input type="text"/>
	<input type="radio"/> Upper range value	<input type="text"/>

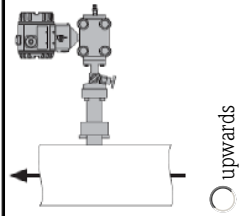
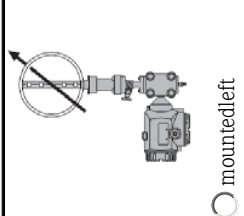
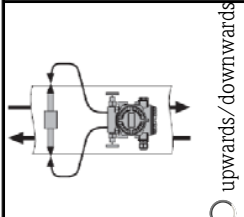
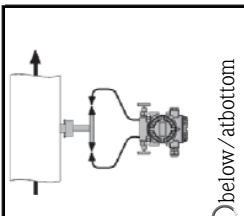
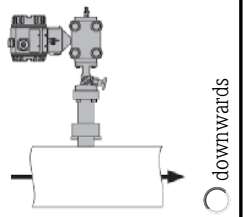
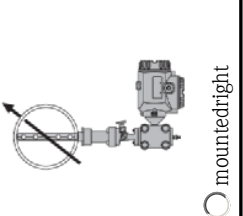
Gas:

 <input type="radio"/> upwards	 <input type="radio"/> mountedleft	 <input type="radio"/> upwards/downwards	 <input type="radio"/> above/ontop
 <input type="radio"/> downwards	 <input type="radio"/> mountedright		

Steam:

 <input type="radio"/> upwards	 <input type="radio"/> mountedleft	 <input type="radio"/> upwards	 <input type="radio"/> mountedleft
 <input type="radio"/> downwards	 <input type="radio"/> mountedright	 <input type="radio"/> downwards	 <input type="radio"/> mountedright

Liquid:

 <input type="radio"/> upwards	 <input type="radio"/> mountedleft	 <input type="radio"/> upwards/downwards	 <input type="radio"/> below/atbottom
 <input type="radio"/> downwards	 <input type="radio"/> mountedright		