Formular drucken

Auslegungsblatt - Datenblatt / Blenden

Mit * markierte Felder sind zwingend auszufüllen

Projekt:

Kunde: **K.-Projektnr.:** **Ansprechpartner:**

Bestellcode

	Bestellcode	Auftragsnummer	Position(en)
Wirkdruckgeber			
Transmitter			

Tag:

Hauptparameter

Medium: * **Status *** ◯ **Gas** ◯ **Flüssigkeit** ◯ **Dampf**

Prozessbedingungen

Druck * Bei Relativdruck ist die Angabe des Luftdruckes erforderlich, falls von Meereshöhe abweichend

◯ **absolut** ◯ **relativ** **Luftdruck:** Einheit

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

	Betrieb	**Normal**	**Standard (gemäß Referenzbedingungen)**	
Durchfluß *	◯	◯	◯	**Referenztemp.:** Einheit
Dichte *	◯	◯	◯	**Referenzdruck:**
Feuchtes Gas *	◯ **ja**	◯ **nein**		

	minimal	**nominal**	**maximal**	**Einheit**
Erf. Durchfluß:			*	*
Druck:		*		*
Temperatur:		*		*
Dichte: 1)				
Viskosität: 1)				
Z-Faktor: 1,2)				
Isentropenexponent: 1,2)				

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.

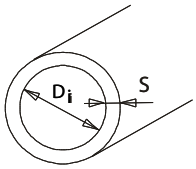
Messgerät

Nennweite: * **Druckstufe: ***

Rohrdaten

Einbaulage s. Blatt 2

Rohr (rund)



		Einheit
Innendurchmesser (DI): *		
Wandstärke (S): *		
Isolationsdicke: *		
Rohrmaterial: *		

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

Zusatzangaben

Optimierungskriterium (nur 1 Feld ankreuzen)

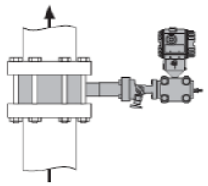
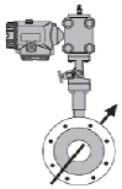
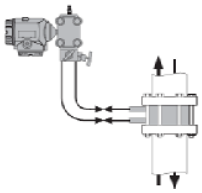
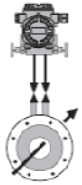
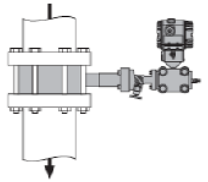
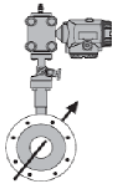
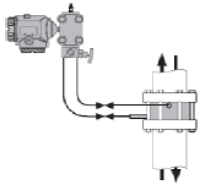
◯ Optimiert durch E+H
◯ Maximale Messbereichsspreizung (kleines ß)
◯ Geringer Druckverlust (großes ß)
◯ Maximal zulässiger Druckverlust
◯ Festes Durchmesserverhältnis ß
◯ Fester Differenzdruck
◯ Vorgegebene Berechnung (Anhang)

Einheit

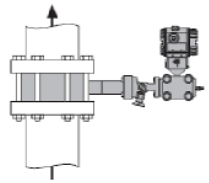
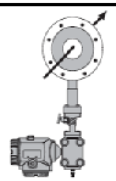
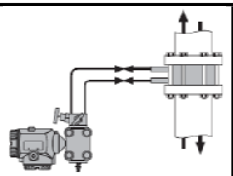
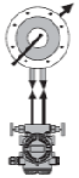
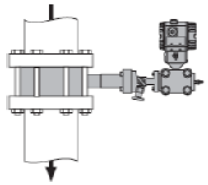
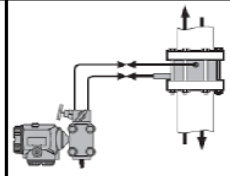
Auslegungsblatt-Einbaulage/Blenden

NichtfürSteckblendenDO64P

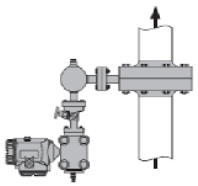
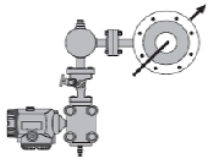
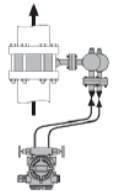
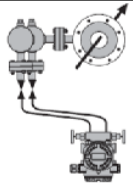
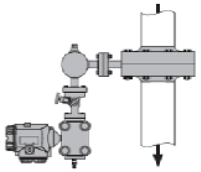
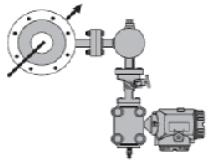
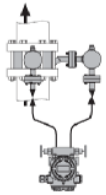
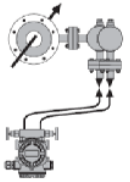
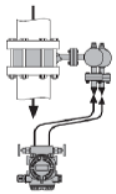
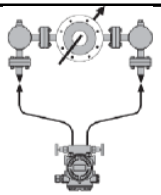
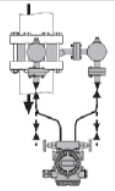
Gas:

kompakt,vertikal	kompakt,horizontal	getrennt,vertikal	getrennt,horizontal
 ◯ aufwärts	 ◯ Montagelinks	 ◯ auf/abStutzen0°	 ◯ Stutzen0°
 ◯ abwärts	 ◯ Montagerechts	 ◯ auf/abStutzen90°	 ◯ Stutzenx°(DIN)

Flüssigkeiten:

kompakt,vertikal	kompakt,horizontal	getrennt,vertikal	getrennt,horizontal
 ◯ aufwärts	 ◯ Montagelinks	 ◯ auf/abStutzen0°	 ◯ Stutzen0°
 ◯ abwärts	 ◯ Montagerechts	 ◯ auf/abStutzen90°	 ◯ Stutzenx°(DIN)

Dampf:

kompakt,vertikal	kompakt,horizontal	getrennt,vertikal	getrennt,horizontal
 ◯ aufwärts	 ◯ Montagelinks	 ◯ aufw.,Stutzen0°	 ◯ Montagelinks
 ◯ abwärts	 ◯ Montagerechts	 ◯ aufw.,Stutzen90°	 ◯ Montagerechts
		 ◯ abw.,Stutzen0°	 ◯ Stutzen180°
		 ◯ abw.,Stutzen90°	

Print form

Sizing Sheet - data sheet / Orifice

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			
Transmitter			

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 *	○	○	○	**Reference temp.:**	
Density *	○	○	○	**Reference pressure:**	

Wet gas * ○ **yes** ○ **no**

	minimum	nominal	maximum	unit
Requested flow:			*	*
Pressure:		*		*
Temperature:		*		*
Density: 1)				
Viscosity: 1)				
Z-factor: 1,2)				
Isentropic index: 1,2)				

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.

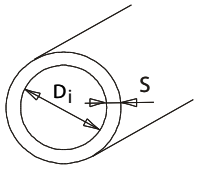
Flowmeter

Nominal width: * | **Pressure rating:***

Pipe dimensions

Mounting position s. sheet 2

Pipe (round)



unit

Inner diameter (DI): *		
Wall thickness (S): *		
Isolation thickness: *		
Pipe material: *		

The exact specification of the internal dimensions 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

Optimization criteria

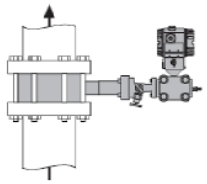
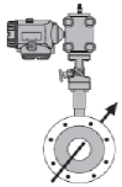
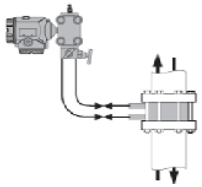
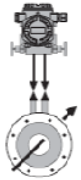
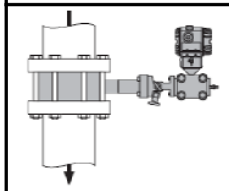
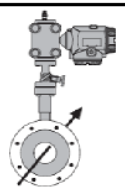
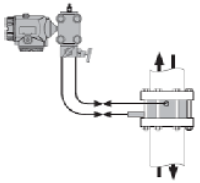
unit

○ Optimized by E+H
○ Maximum Turn Down (small ß)
○ Low pressure loss (large ß)
○ Maximum allowable pressure loss
○ Fixed diameter ratio ß
○ Fixed differential pressure
○ Fixed calculation (attachment)

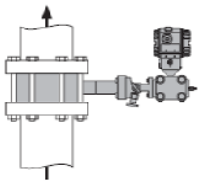
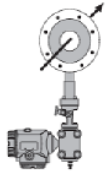
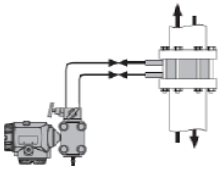
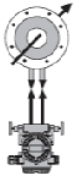
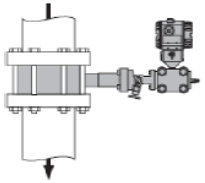
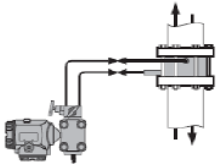
SizingSheet-MountingPosition/Orifice

NotapplicaplefororificeplatesDO64P

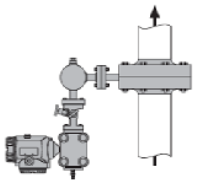
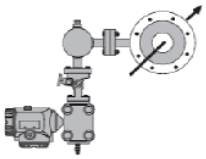
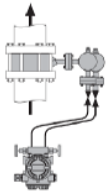
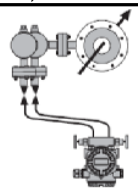
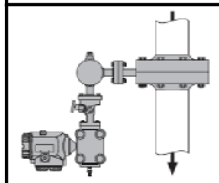
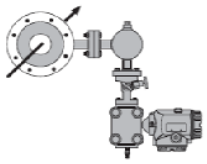
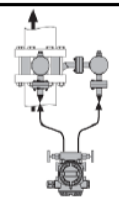
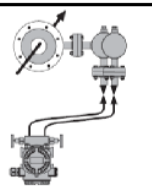
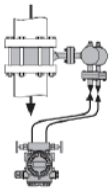
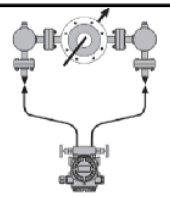
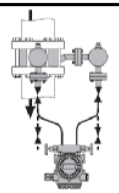
Gas:

compact,vertical	compact,horizontal	remote,vertical	remote,horizontal
 ◯ upwards	 ◯ mountedleft	 ◯ up/downtaps0°	 ◯ taps0°
 ◯ downwards	 ◯ mountedright	 ◯ up/downtaps90°	 ◯ tapsx°(DIN)

Liquid:

compact,vertical	compact,horizontal	remote,vertical	remote,horizontal
 ◯ upwards	 ◯ mountedleft	 ◯ up/downtaps0°	 ◯ taps0°
 ◯ downwards	 ◯ mountedright	 ◯ up/downtaps90°	 ◯ tapsx°(DIN)

Steam:

compact,vertical	compact,horizontal	remote,vertical	remote,horizontal
 ◯ upwards	 ◯ mountedleft	 ◯ upwards,taps0°	 ◯ mountedleft
 ◯ downwards	 ◯ mountedright	 ◯ upwards,taps90°	 ◯ mountedright
		 ◯ downwards,taps0°	 ◯ taps180°
		 ◯ downwards,taps90°	