Level Pressure Flow Temperature Liquid Analysis Registration Systems Components Services Solutions

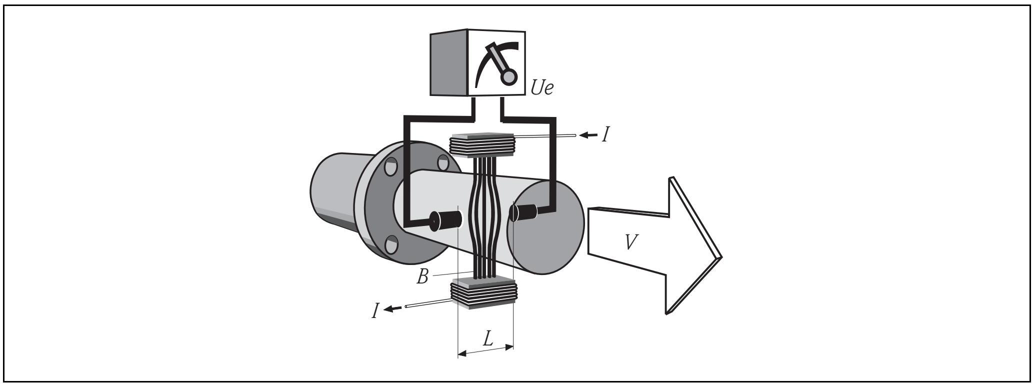
Proline Promag 10W

≥ µ

Endress+Hauser

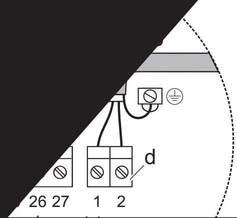
People for Process Automation

legge di Faraday sull'induzione magnetica,



$Ue = B \cdot L \cdot v$
$Q = A \cdot v$

Ue	*Tensione indotta*
B	*Induzione magnetica (campo magnetico)*
L	*Distanza tra gli elettrodi*
v	*Velocità di deflusso*
Q	*Portata volumetrica*
A	*Sezione del tubo*
I	*Intensità della corrente*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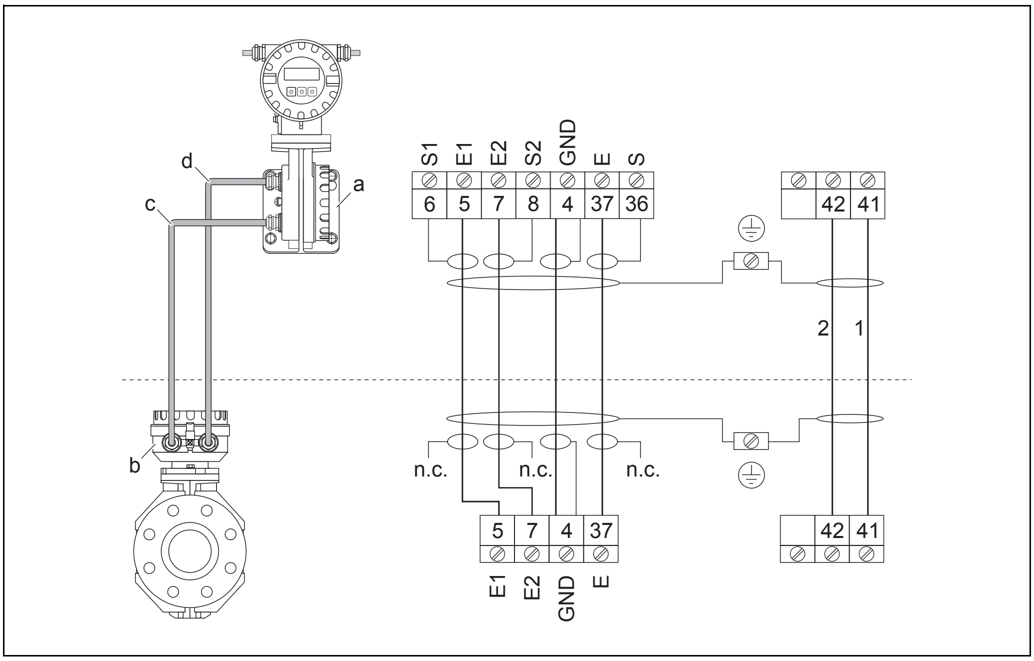
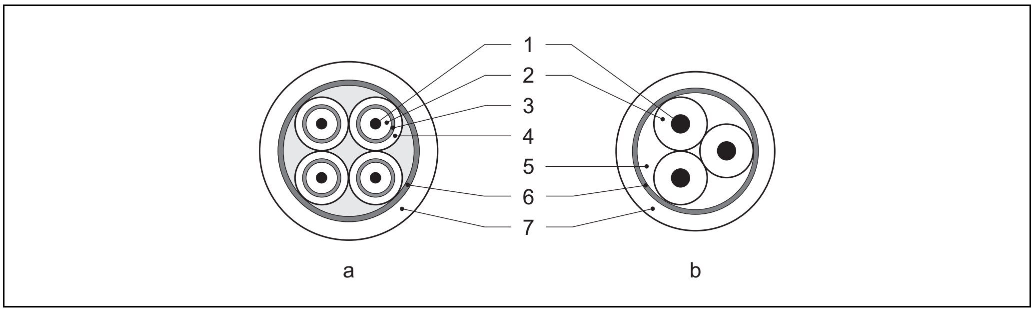


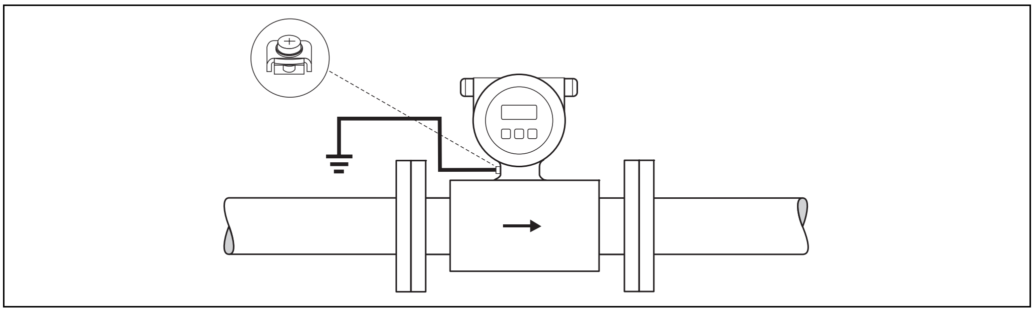
Collegamento della versione separata

a — *Vano connessioni della custodia da parete*
b — *Coperchio della custodia di connessione del sensore*
c — *Cavo del segnale*
d — *Cavo della bobina*
n.c. — *Non connesso, schermature del cavo isolate*

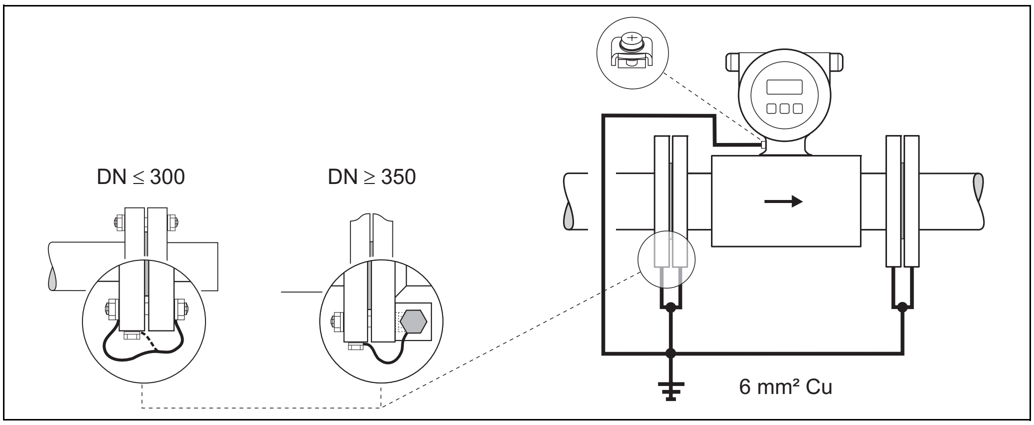
Colori del cavo:
numeri morsetto 5/6 = marrone; 7/8 = bianco; 4 = verde; 37/36 = giallo



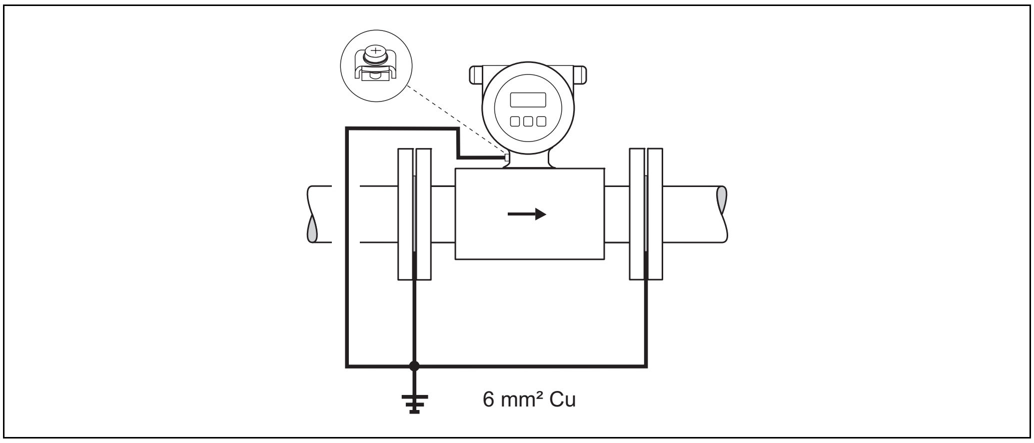
a	*Cavo di segnale*
b	*Cavo delle bobina*
1	*Conduttore*
2	*Isolamento del conduttore*
3	*Schermatura del conduttore*
4	*Guaina di rivestimento del conduttore*
5	*Irrobustimento del cavo*
6	*Schermatura del cavo*
7	*Guaina di rivestimento esterna*



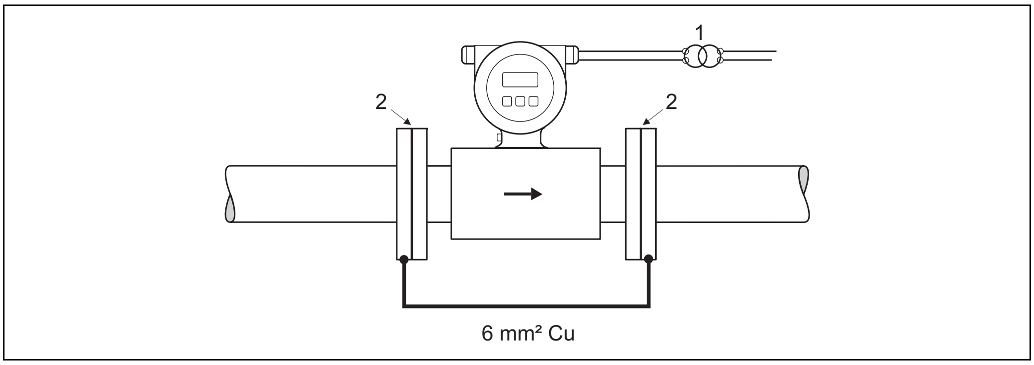
Equalizzazione di potenziale attraverso il morsetto di terra del trasmettitore



Equalizzazione di potenziale in caso di correnti di equalizzazione in tubazioni metalliche, senza messa a terra

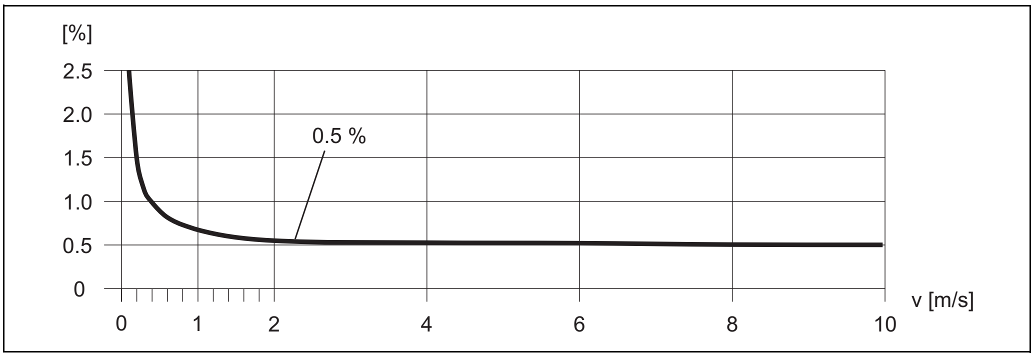


Equalizzazione del potenziale/dischi di messa a terra per tubazioni in plastica e tubazioni rivestite

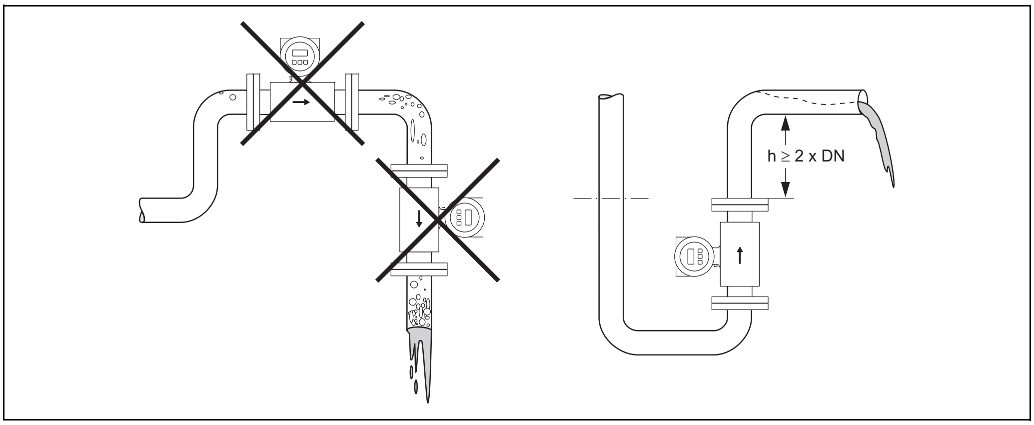


Equalizzazione del potenziale e protezione catodica

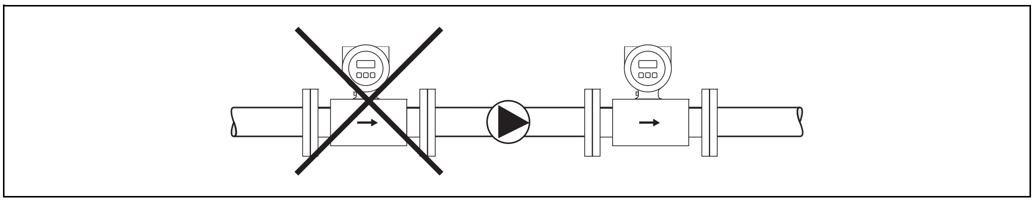
1 Trasformatore di isolamento per l'alimentazione
2 Isolato elettricamente



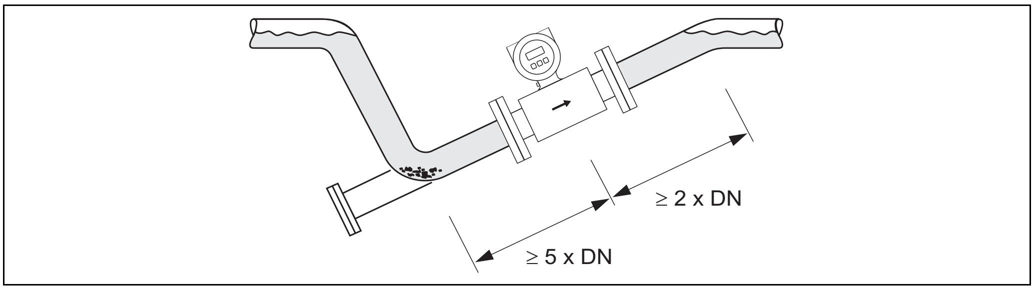
Errore di misura max. in % del valore istantaneo



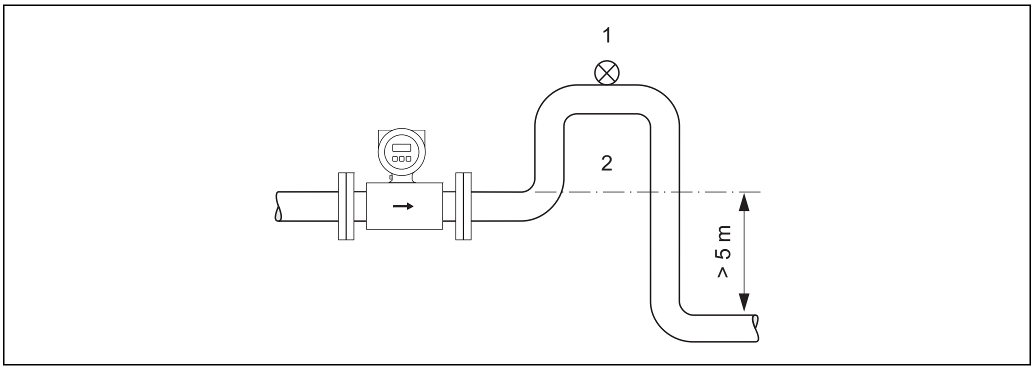
Posizione di montaggio



Installazione sotto pompe

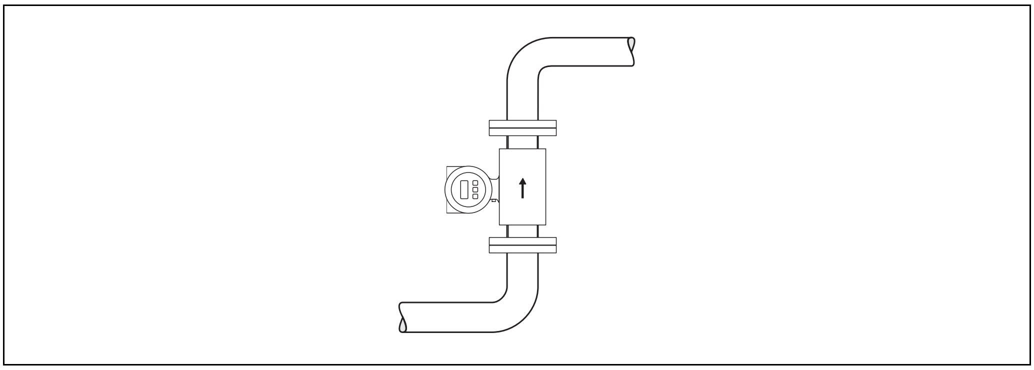


Installazione con tubi parzialmente pieni

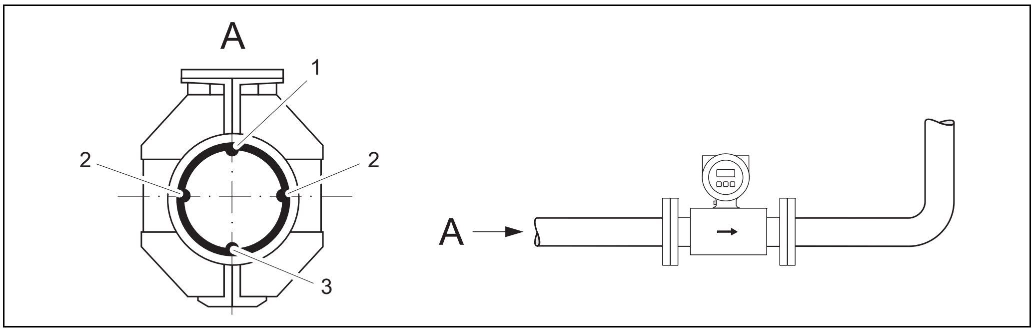


Istruzioni di installazione per tubazioni verticali

1 Valvola di sfiato
2 Sifone del tubo

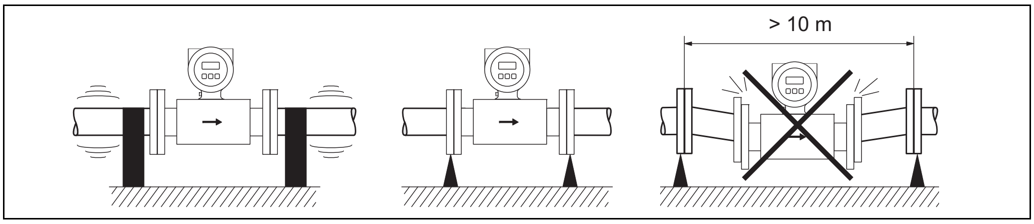


Orientamento verticale

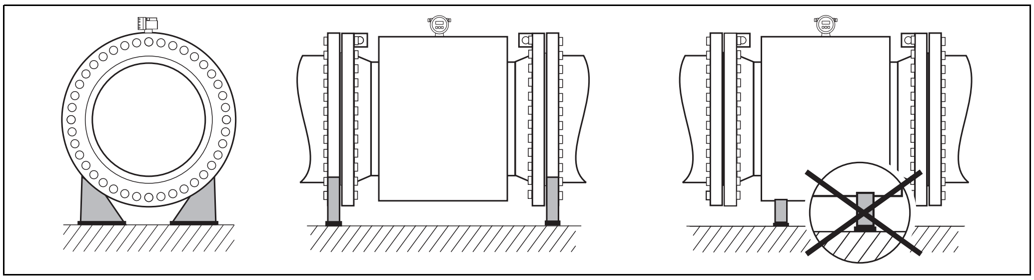


Orientamento orizzontale

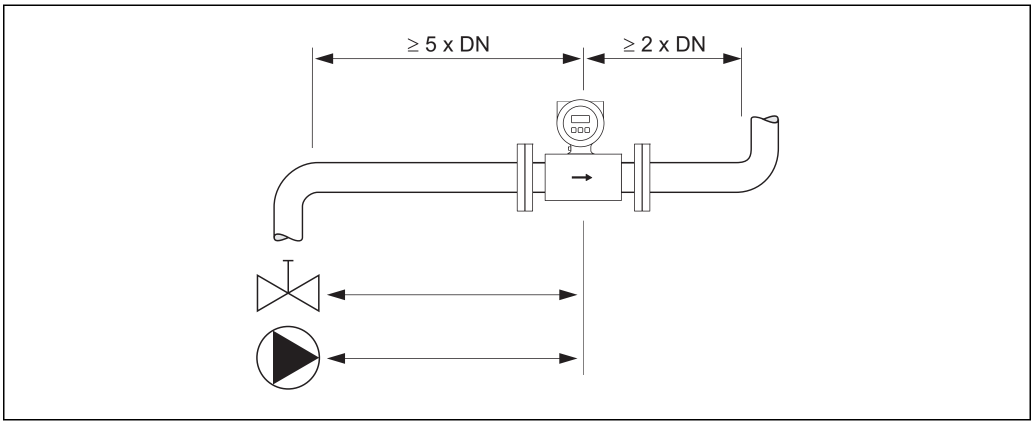
1 *Elettrodo EPD per il controllo di tubo vuoto*
2 *Elettrodi di misura per il controllo del segnale*
3 *Elettrodo di riferimento per l'equalizzazione di potenziale*



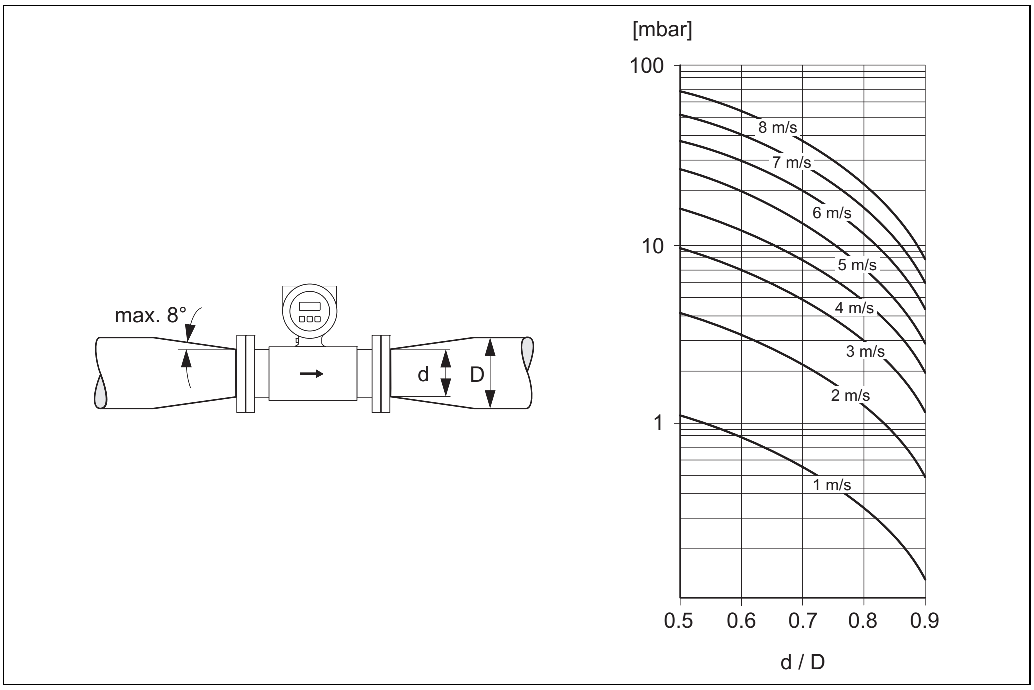
Indicazioni per proteggere lo strumento dalle vibrazioni



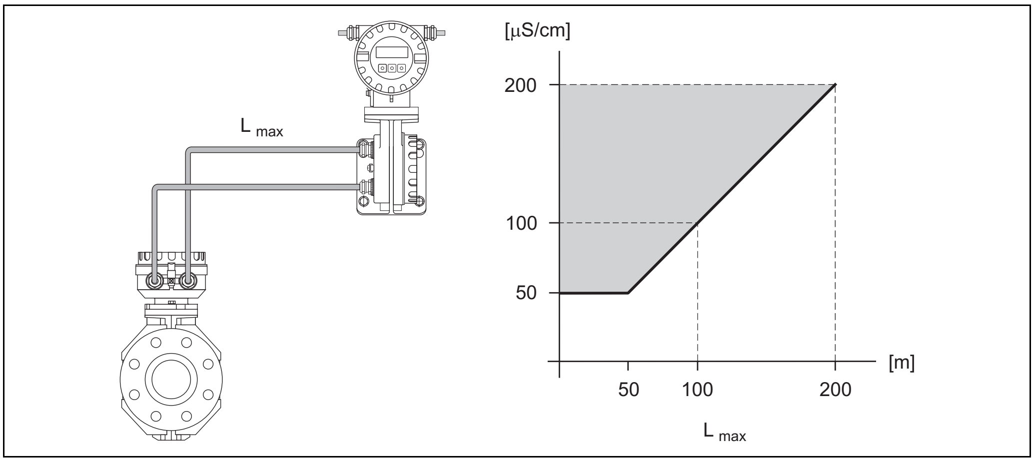
Supporto corretto per diametri nominali grandi (DN ≥ 350)



Tratti rettilinei in entrata e in uscita



Perdita di carico dovuta all'uso degli adattatori



Lunghezza consentita del cavo di collegamento per la versione separata

Area in grigio = campo consentito; L_{max} *= lunghezza del cavo di collegamento in [m]; conducibilità del fluido in [µS/cm].*

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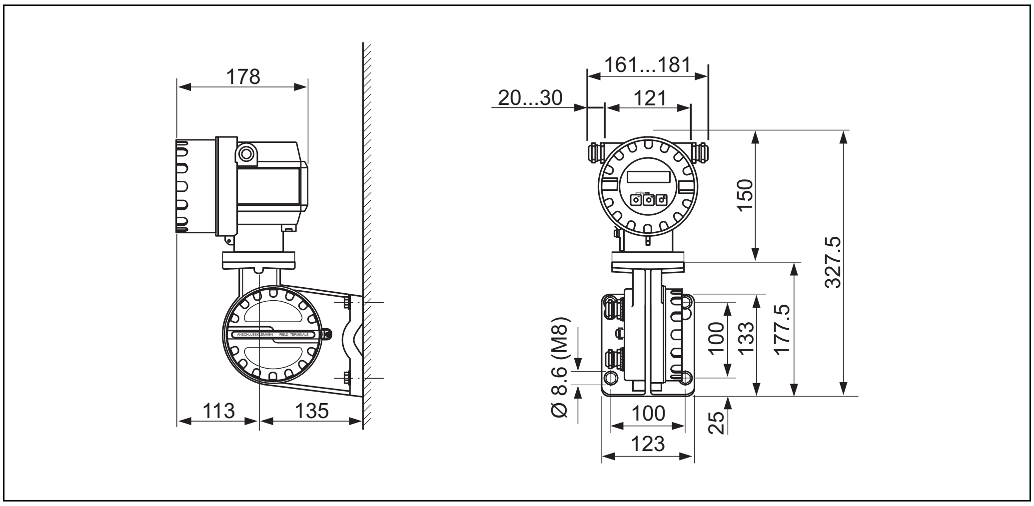
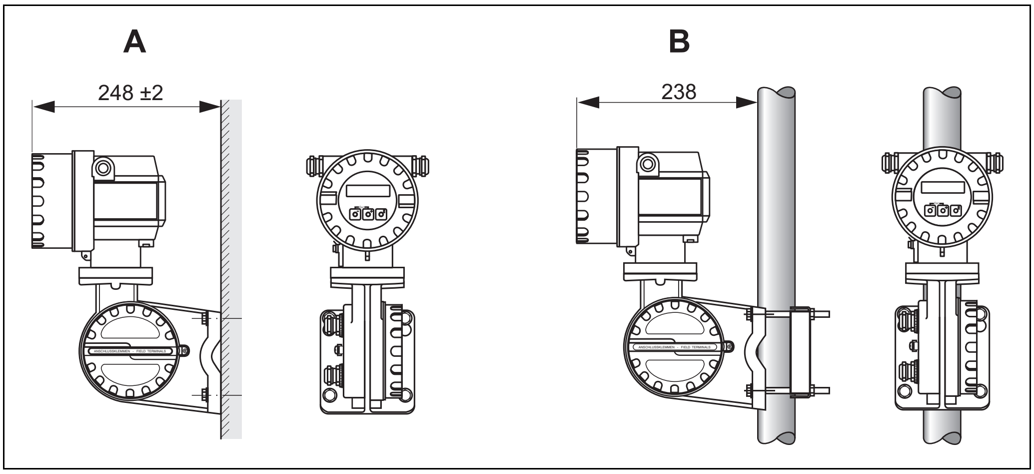


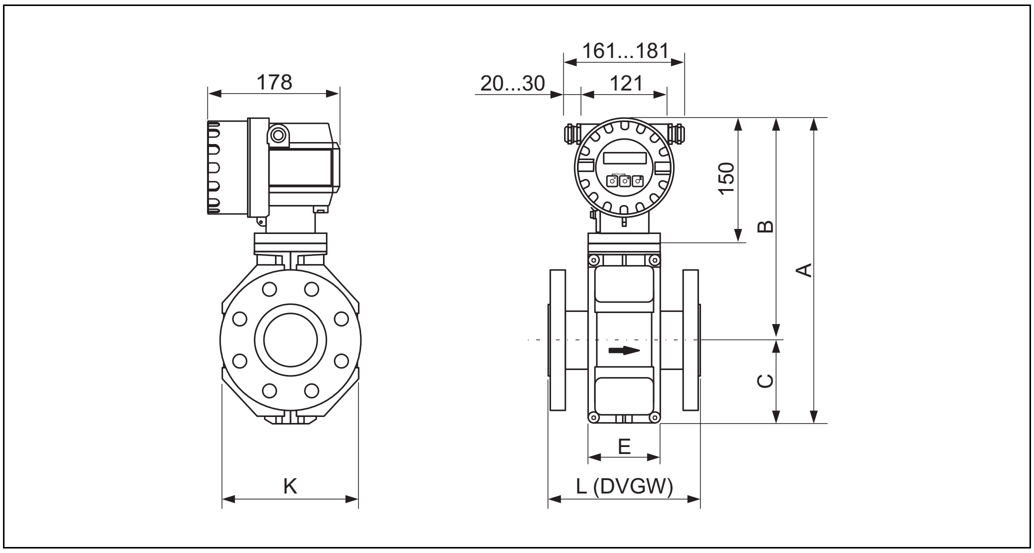
Dimensioni del trasmettitore, versione separata



Montaggio del trasmettitore, versione separata

A *Montaggio direttamente a parete*
B *Montaggio su palina*

≤



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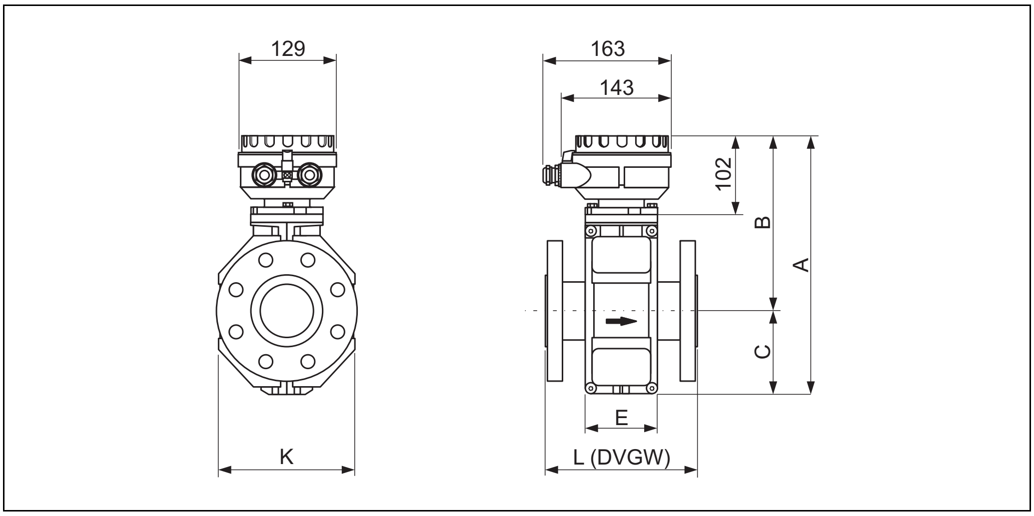

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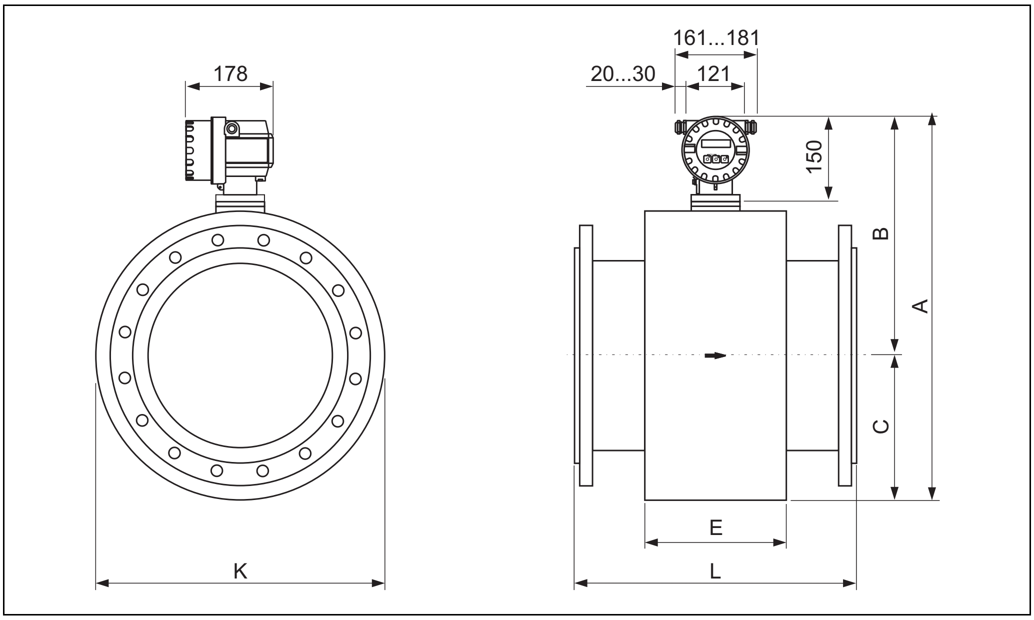

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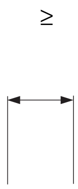

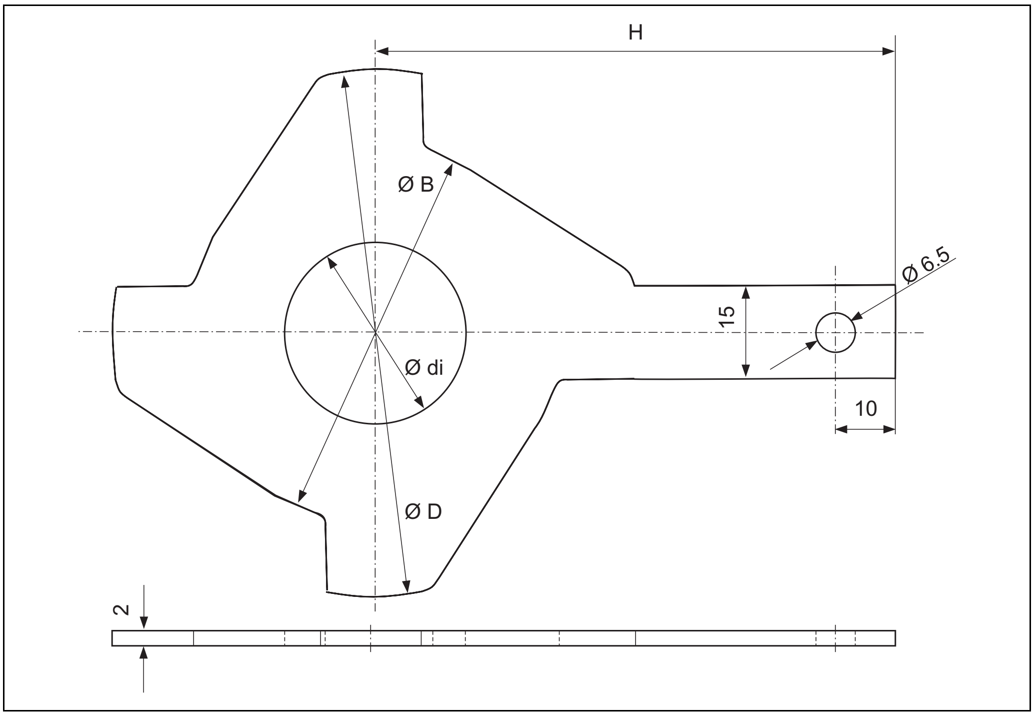
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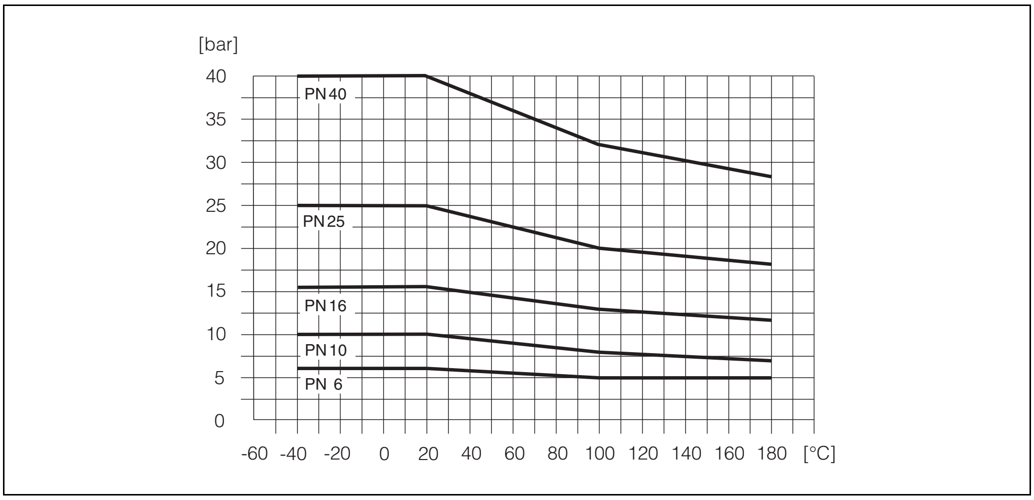
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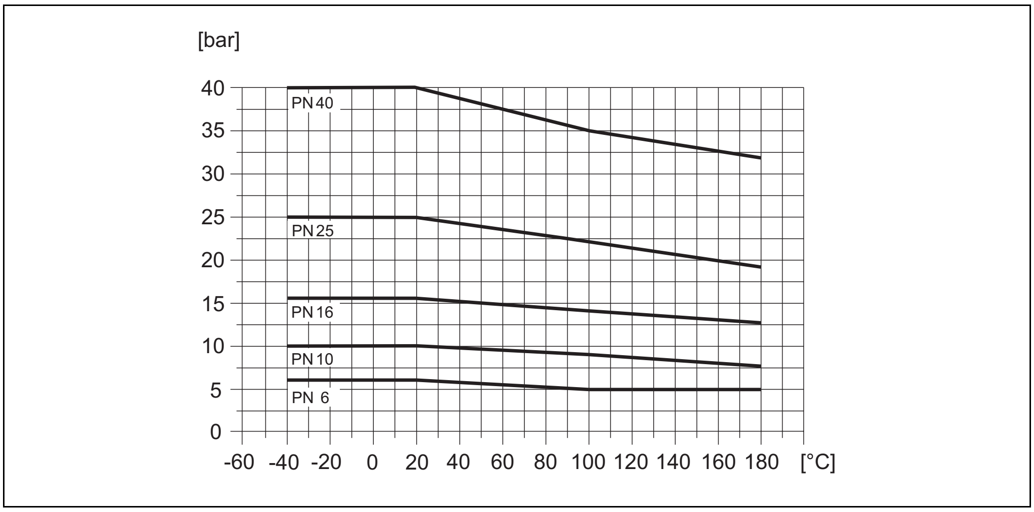
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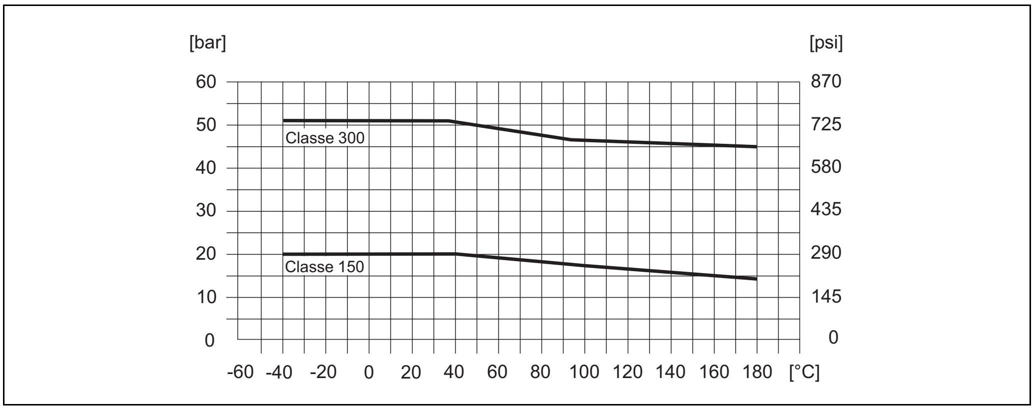
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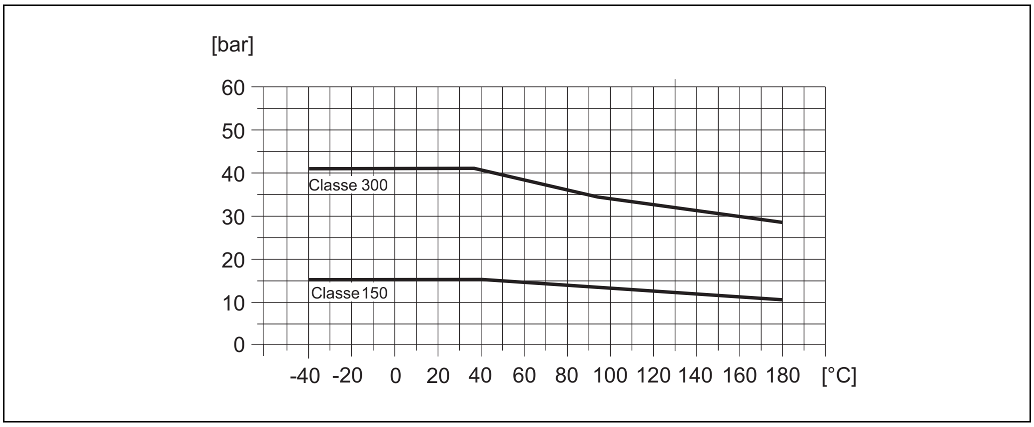
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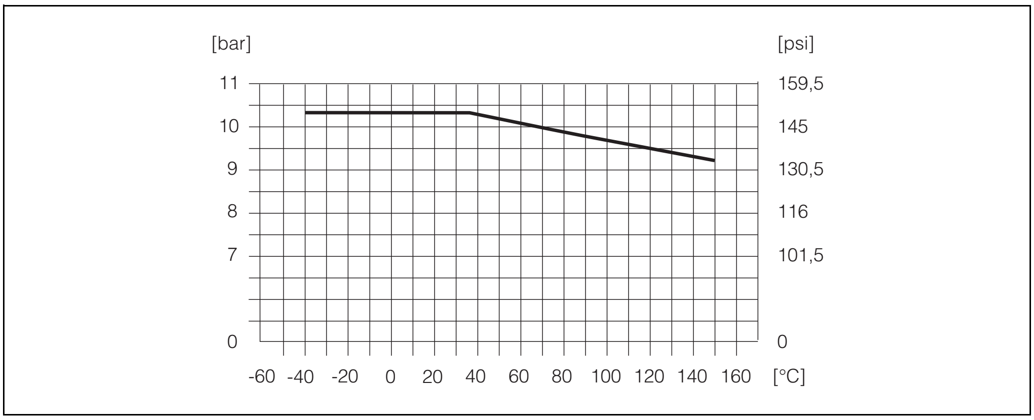
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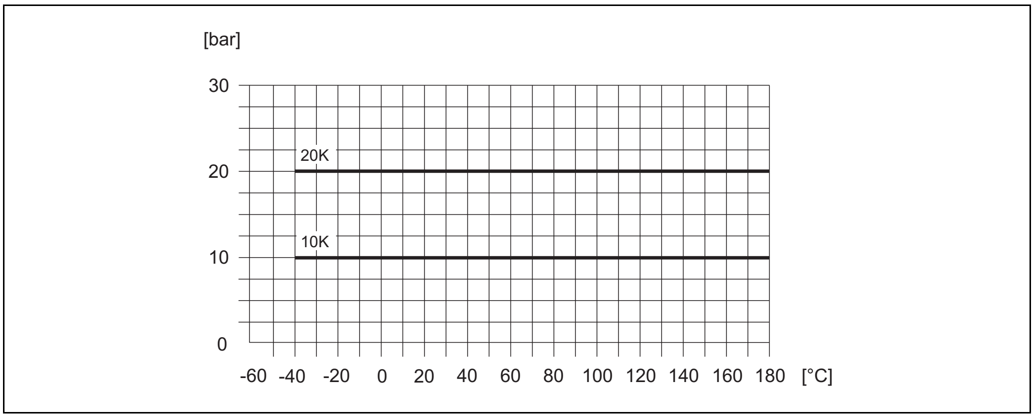
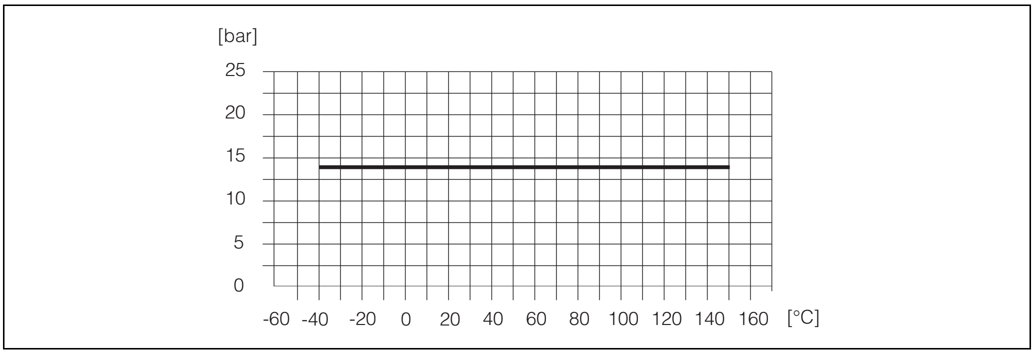
-60 -40 -20 0 20 40 60 80 100 120 140 160 [°C]


[bar]
30
20
10
0
20K
10K
-60 -40 -20 0 20 40 60 80 100 120 140 160 180 [°C]


[bar]
25
20
15
10
5
0
-60 -40 -20 0 20 40 60 80 100 120 140 160 [°C]

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Sede Italiana

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