Pokazivač nivoa vode
(stakleni indikator pokazivač)

Tip W-350 PVC
Tip W-351 Crveni mesing
Tip W-352 Nerdjajuci celik kao zglob
Tip W-353 Nerdjajuci celik

Pokazivac nivoa vode je posebno prikladan za sve tecne supstance koje su izuzetno vruce i brzo se pokrecu u rezervoaru, ali nisu previše kontaminirane. Za uzburkane ili supstance koje se brzo pokrecu pokazivac nivoa vode W-350/351/352/353 deluje kao prigušivac i zaobilaznica. U zavisnosti od agresivnosti i temperature mogu se koristiti razliciti materijali, na primer, tip W-350 za visoko agresivne supstance, tip od nerdjajuceg celika se najviše koristi za vrele i blago agresivne tecnosti. Pokazivac nivoa vode takodje služi i kao stakleni indikator - pokazivac, tacka promene za regulaciju nivoa se podešava bez odredjenih koraka direktno na samom instrumentu.
Staklo-pokazivac je napravljen od stakla ili providnog plasticnog materijala (Pleksiglas PVC) i sadrži plovak, element sa ugradjenim jasno vodljivim solenoidom. Ovaj solenoid služi kao opticki indikator, instrument koji stavlja u pokret istovremeni i kontakt-jezicak, podesiv bez posebnih koraka (monostabilan ili bistabilan, na zahtev) ili mikro-prekidace na svojoj spoljašnjoj strani.
Broj kontakata ugradjenih na pokazivacu nivoa vode je podložan promenama. Dalje, pokazivac nivoa vode može se opremiti zaštitnom cevi i odvodnom slavinom u evakuacione svrhe.

Water Level Gauge
(sight glass indicator)

Type W-350 PVC
Type W-351 Red brass
Type W-352 Stainless steel as elbow
Type W-353 Stainless steel

The water level gauge is particulary suitable for all liquid media which are aggressively hot and rapidly moved in a container, but are not too much contamined. For a stirred or rapidly moved medium the water level gauge W-350/351/352/353 is acting like a damping by-pass. Depending on aggressivity and temperature various materials can be used, e.g. the type W-350 for highly aggressive media, the stainless steel type being preferred for hot and lightly aggressive liquids.

The water level gauge also serves as a sight glass indicator, the switching point for the level regulation are steplessly adjustable directly on the instrument.

The sight glass is made of glass or transparent plastic material (Plexi, PVC) and has a floating element fitted with a clearly visible solenoid. This solenoid serves as an optical indicating instrument and actuates at the same time steplessly adjustable reed contacts (mono-stable or on request bistable) or micro switches on its exterior face.

The number of contacts fitted on the water level gauge is optional.

Furthermore the water level gauge might be equipped with a protective pipe and with a drain cock for evacuation purposes.

W-351

Detalji o sistemu

Uz pomoc releja za zaštitu kontakta KR-164 izlazni signal može se pojacati na kontrolnim pumpama, akustickim i optickim signalima. Za rezervoare ugradjene u EX kategoriji oblasti 2 (Ex zona 1) procena kontakta medju jeziccima se izvodi od strane ELB [Ex]i releja tipa ER-142 ili tipa ER-143, sa suštinski bezbednim operacijama (vidite sekciju 10).

System Details

With the aid of the contact protection relay KR-164 the output signal can be amplified to control pumps, acoustic and optical signals. For reservoirs mounted in an Ex aera category 2 (Ex zone 1) the evaluation of the Reed contacts is made by an ELB [Ex]i-relay, type ER-142 or type ER-143, with intrisically safe operation (see section 10).

Tehnicki podaci

Veza rezervoara	***ivica pocevši od DN 25 ili veza zavrtnja pocevši od G ¾"***
Materijal cevi indikatora	***pecijalno staklo, pleksiglas (perspeks) ili providan plastican PVC materijal***
Materijal veze po uglu ventila tela	***W-350 PVC W-351 Crveni mesing W-352 Nerdjajuci celik (1.457) samo kao zglob 90° W-353 Nerdjajuci celik (1.4401)***
Materijal ivica	***W-350 PVC W-351 Crveni mesing W-352 Nerdjajuci celik W-353 Nerdjajuci celik***
Materijal plovka	***Staklo ili PPH***
Temperatura supstance	***W-350 max. +60°C* W-351 max. +90°C* ili +120°C** W-352,W-353 max. +90°C* ili +120°C** *= Guma **=PTFE i Viton***
Operativni pritisak	***W-350 sa PVC cevi: max. 2,5 bar W-351sa staklenom cevi max. 10 bar takodje sa cevi od pleksiglasa max. 2 bar W-352,W-353 sa staklenom cevi max. 10 bar takodje sa cevi od pleksiglasa: max. 2 bar***
Gustina supstance	***≥ 0.95 g/cm3***
Na zahtev	***≥ 0.85 g/cm3***
Dužina kabla	***sa monostabilnim kontaktom: standardno 2m***
Na zahtev	***sve dužine***
Broj kontakata	***proizvoljan***
Razmak medju kontaktima	***min. 10mm***

Ključ tipa

Osnovna oznaka
Materijal veze
0=PVC (Polivinilhlorid)
1=Crveni mesing
2=Nerdjajuci celik 1.4571, zglob 90°
3=Nerdjajuci celik (1.4401)
Materijal cevi
G=specijalno staklo (ne W-350)
P=Pleksiglas (ne W-350)
T=providna cev od PVC (W-350)
Velicina ivice u DN
Udaljenost od centra u mm

W35 ☐☐☐☐☐

Type Key

Basic designation
Connection material
0 = PVC (Polyvinylchloride)
1 = Red brass
2 = Stainless steel 1.4571, 90° elbow
3 = Stainless steel 1.4401
Tube material
G = Special glass (not W-350)
P = Plexiglass (not W-350)
T = transparent PVC tube (W-350)
Size of the flange in DN
Distance to the centre in mm

W35 ☐☐☐☐☐

Zadržana prava izmene bez najave.

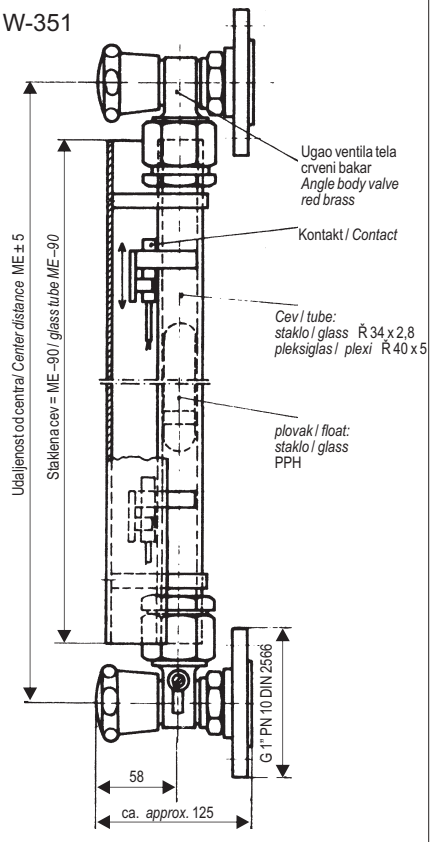
Subject to change without prior notice, errors excepted.

Technical Data

Container connection		flange starting from DN 25 or screw connection starting from G 3/4"
Material indicator tube sight		special glass, plexiglass (perspex) or transparent plastic material PVC
Material connection by angle body valve	*W-350*	PVC
	W-351	Red brass
	W-352	Stainless steel 1.457 only as elbow 90°
	W-353	Stainless steel 1.4401
Material flange	*W-350*	PVC
	W-351	Red brass
	W-352	Stainless steel
	W-353	Stainless steel
Material float		Glass or PPH
Media temperatur e	*W-350*	max. +60 °C*
	W-351	max. +90 °C* or +120 °C**
	W-352, W-353	max. +90 °C* or +120 °C** *= Rubber **= PTFE und Viton
Operating pressure	*W-350*	with PVC tube: max. 2,5 bar
	W-351	with glass tube: max. 10 bar ditto with plexiglass tube: max. 2 bar
	W-352, W-353	with glass tube: max. 10 bar ditto with plexiglass tube: max. 2 bar
Media density		$\rho \geq 0{,}95$ g/cm³
On request		$\rho \geq 0{,}85$ g/cm³
Cable length		with mono-stable contact: standard 2 m
On request		all lengths
Number of contacts		arbitrary
Contact gap		min. 10 mm

Dimenzioni crtež
Dimensional Drawing

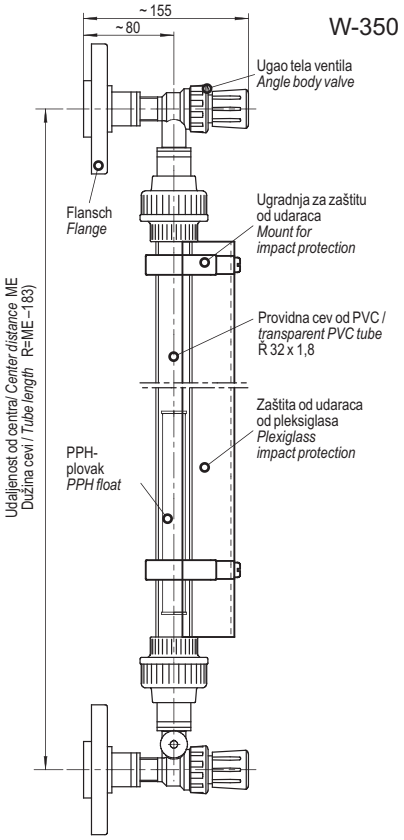
W-351



Dimenzije u mm / *Dimensioning in mm*

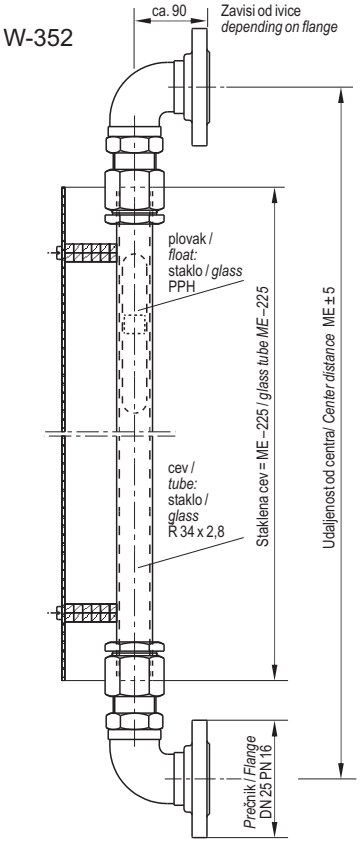
Dimenzion crtež
Dimensional Drawing

W-350



Dimenzije u in mm / *Dimensioning in mm*

W-352



Dimenzije u mm / *Dimensioning in mm*

E.L.B. FÜLLSTANDSGERÄTE

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