

Rotary blade level indicators

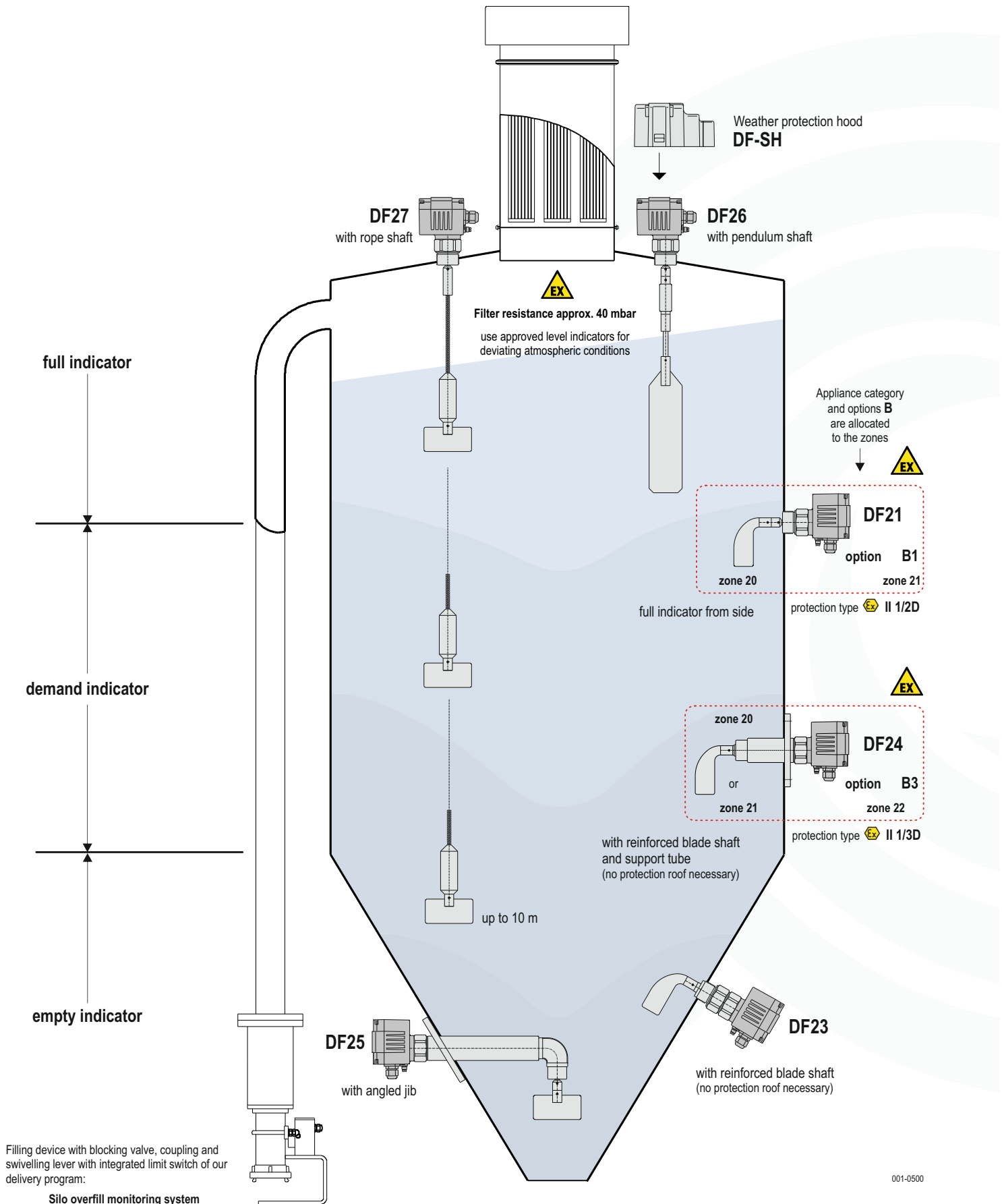
Level limit switches for bulk goods

DF

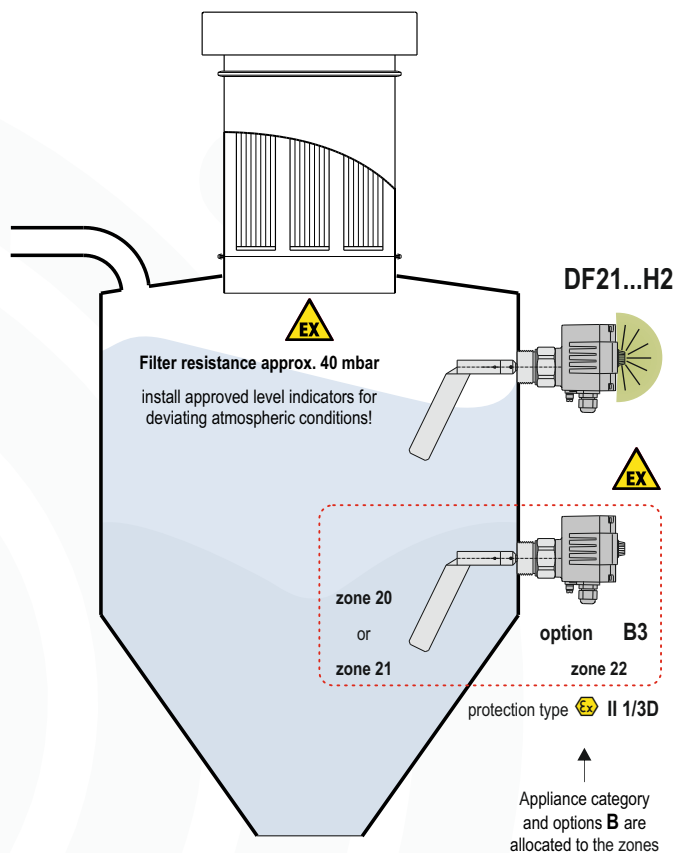
Examples of applications

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Silo Filling with pneumatic conveyor equipment



Storage bin, daily service vessels Full- and demand indicator with signal lamp



Optical display of the filling levels



Signal lamp, green
Option H2



Signal lamps
approved for zone 22



Carried out with longlife supra light LEDs.

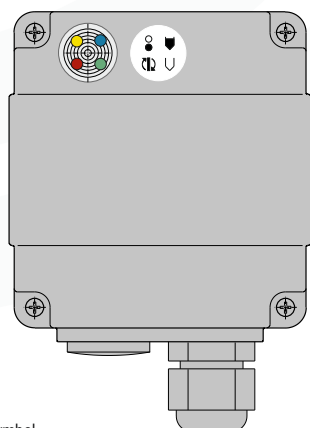
Simply calibrating of the display function "full" / "empty" due to
changing of a jumper.

001-0501

Function LEDs with collar

Collar for function LEDs
Option H1

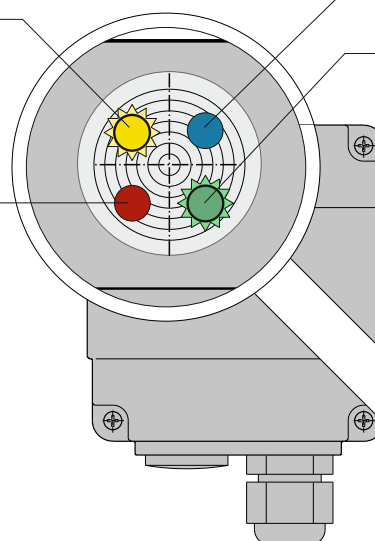
Collars
approved for zone 22



Position of the function LEDs

LED, yellow
indicator on
"voltage existing"

LED, red
"malfunction"
Option D1

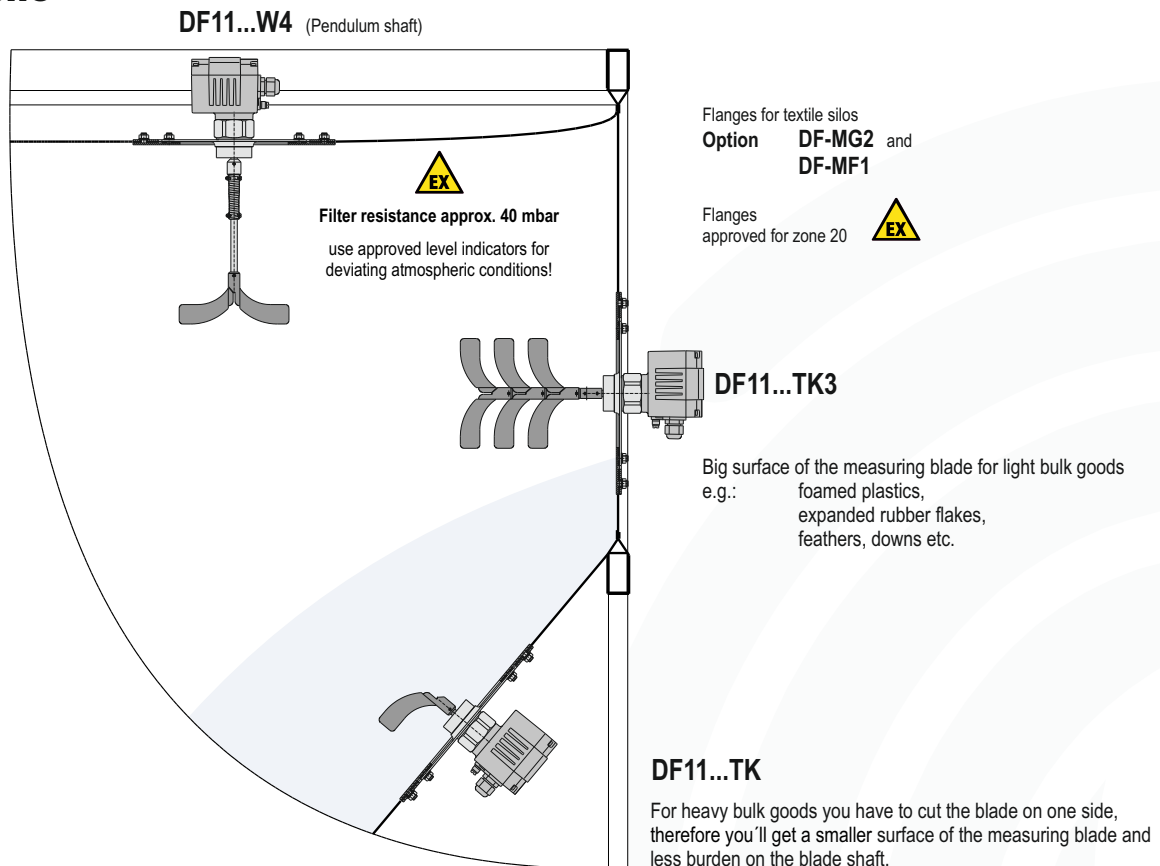


LED, blue above
container "full"

LED, green bottom
container "empty"

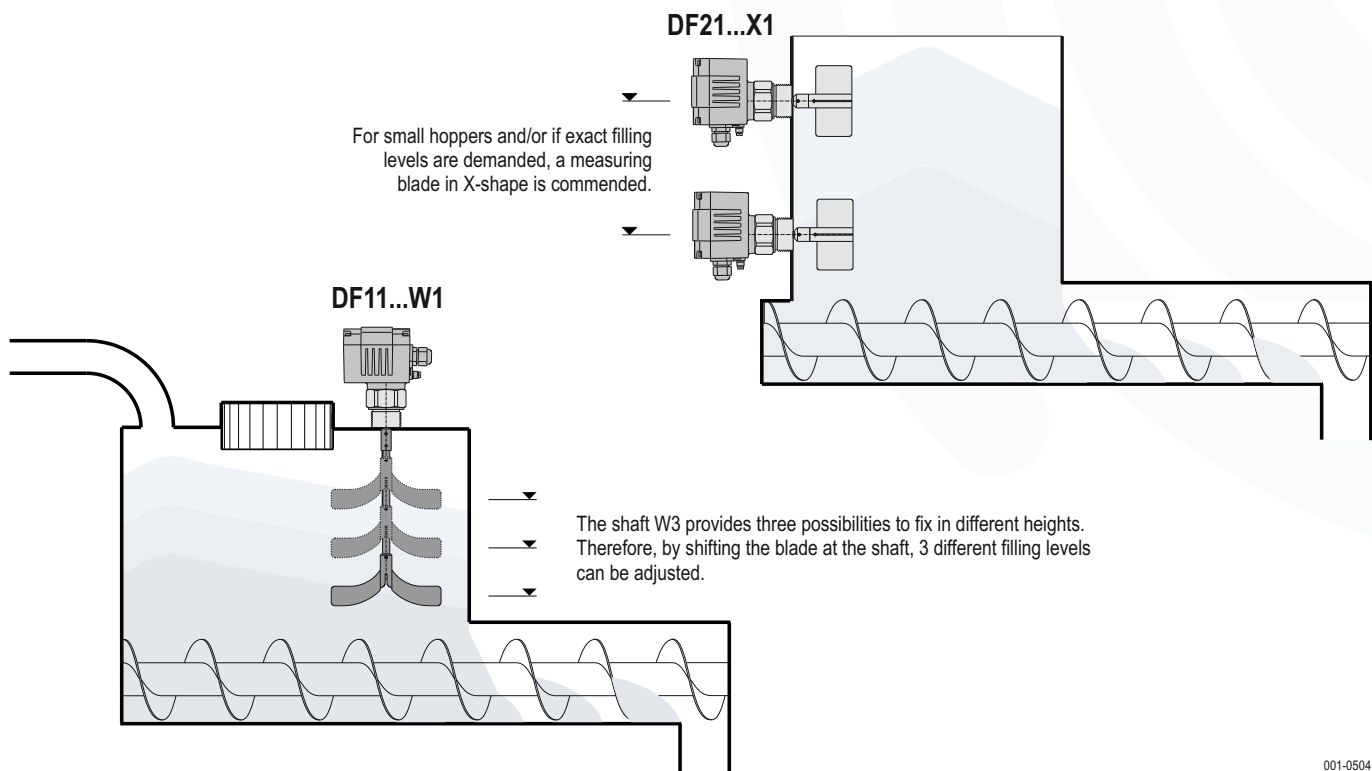
001-0502

Textile silo



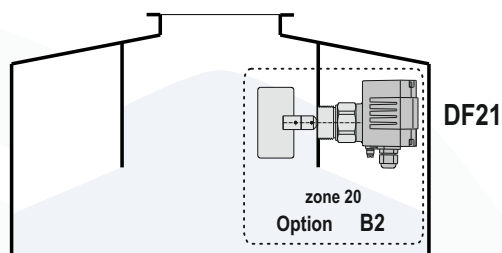
001-0503

Dosing equipment

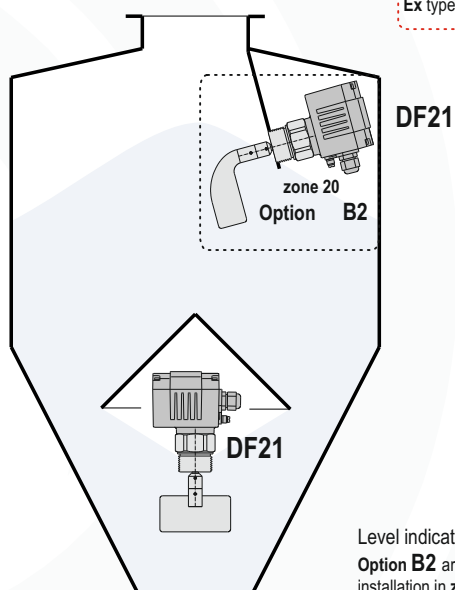


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Installation inside of a vessel



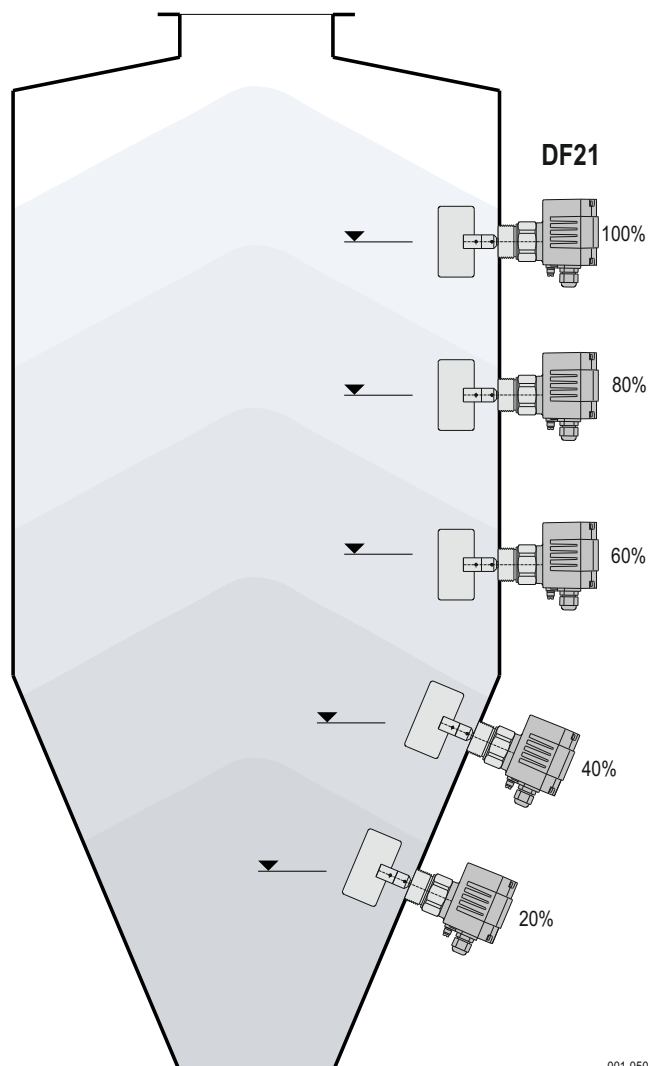
In ATEX areas of **zone 20**
Option B2 choose:
 Ex type of protection II 1D



Level indicator with
Option B2 are certified for
 installation in **zone 20** !!!

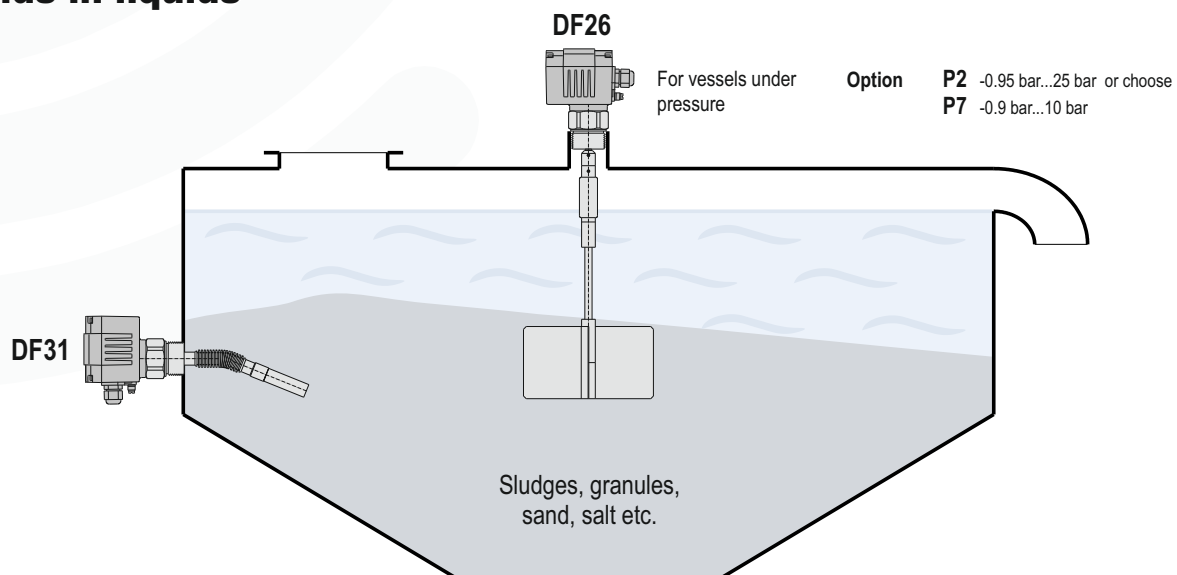
001-0505

Multiple filling level indication



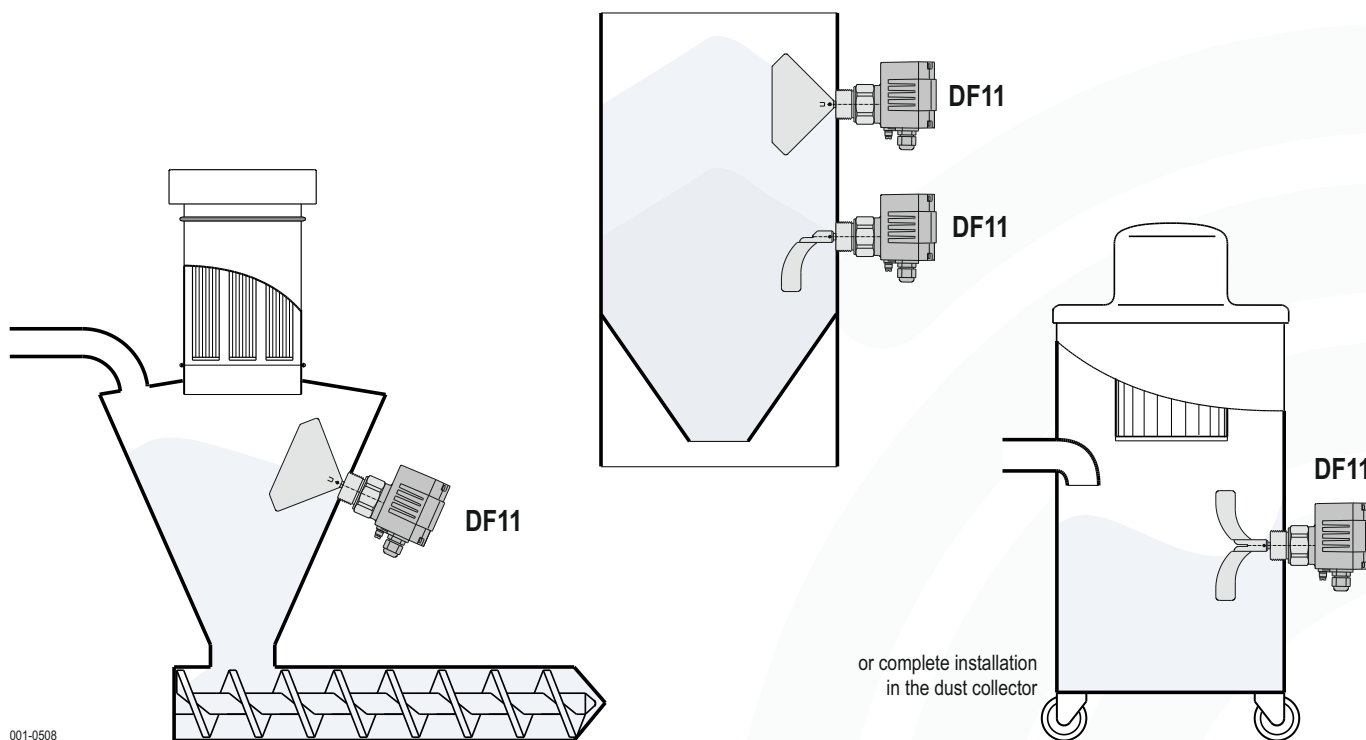
001-0506

Solids in liquids

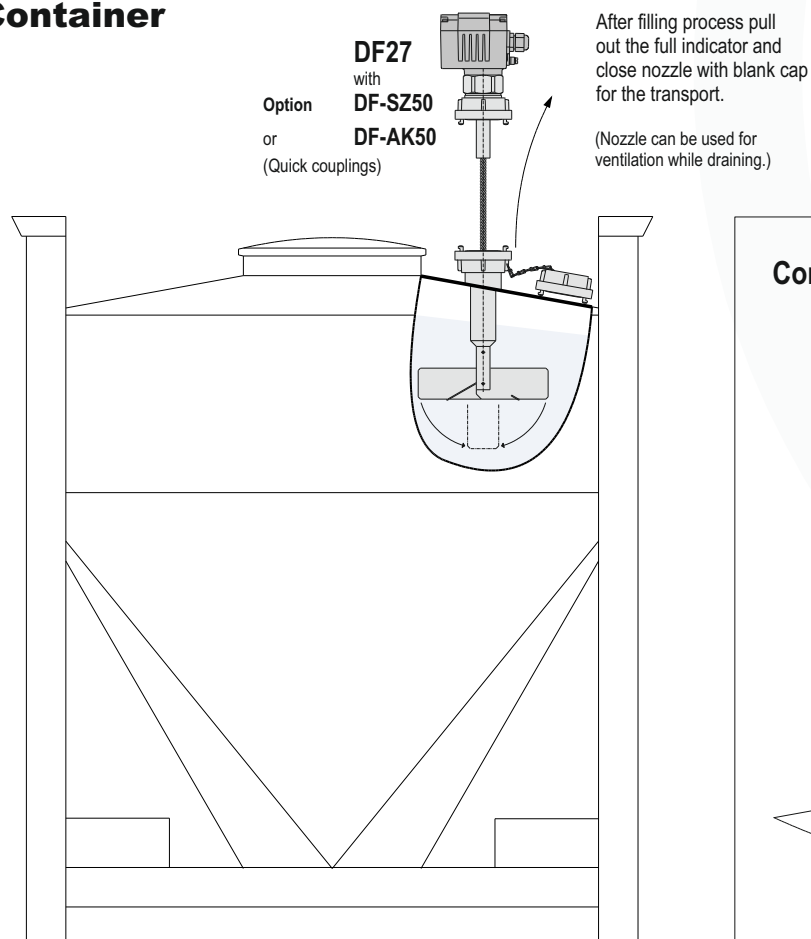


001-0507

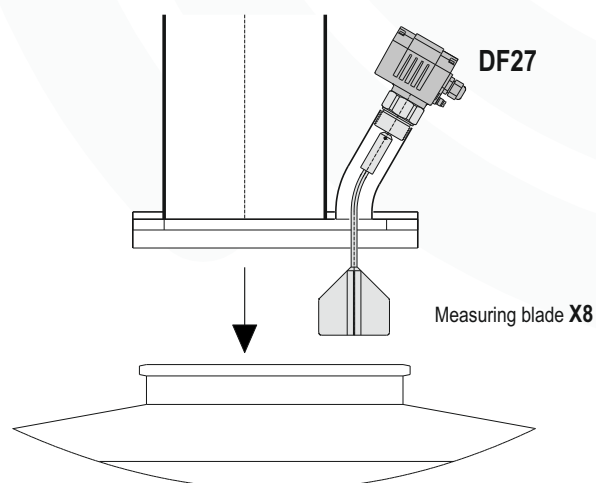
Hopper, bin, industrial vacuum cleaner



Container

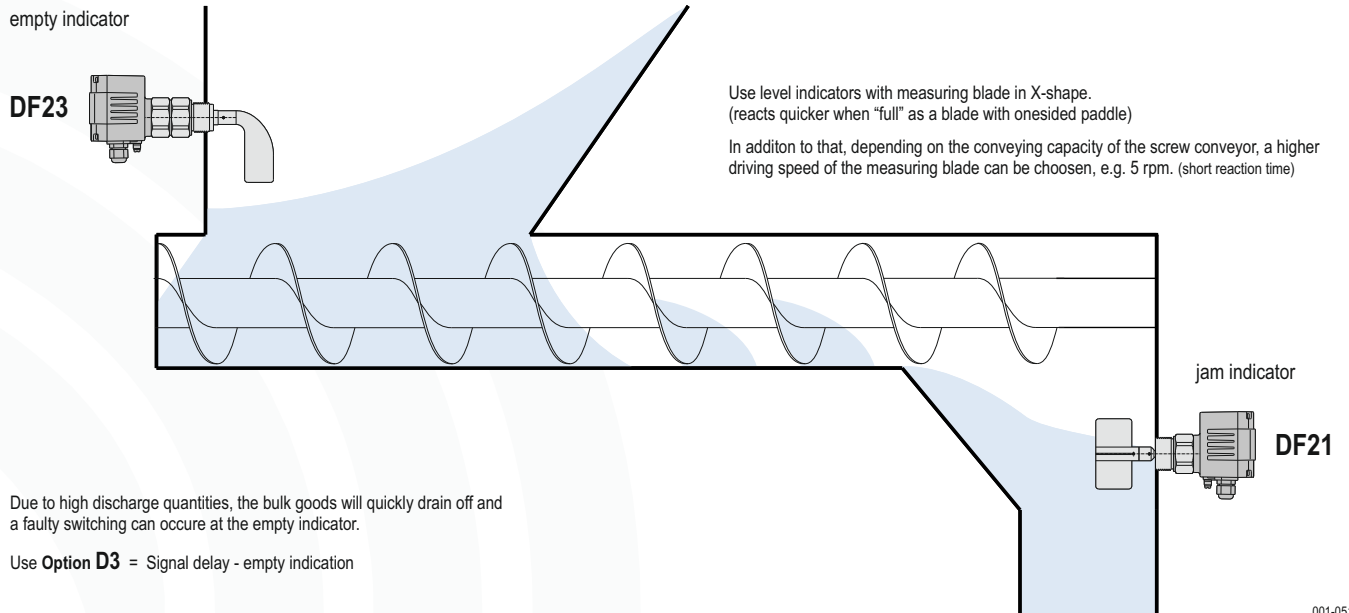


Container or big-bag

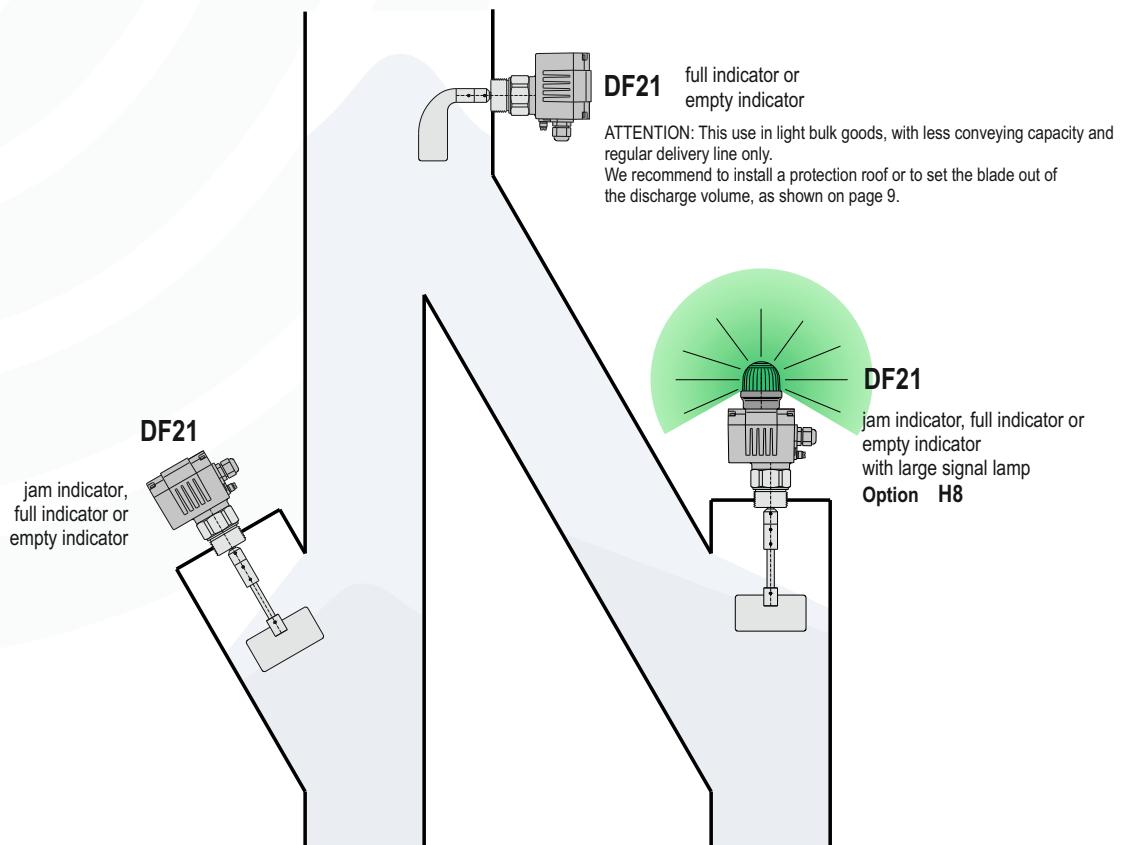


001-0509

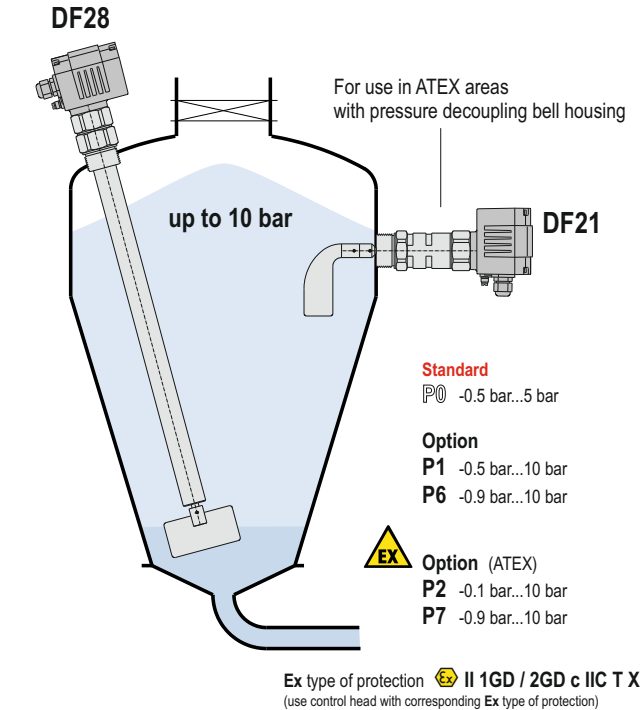
Screw conveyor



Discharge pipes

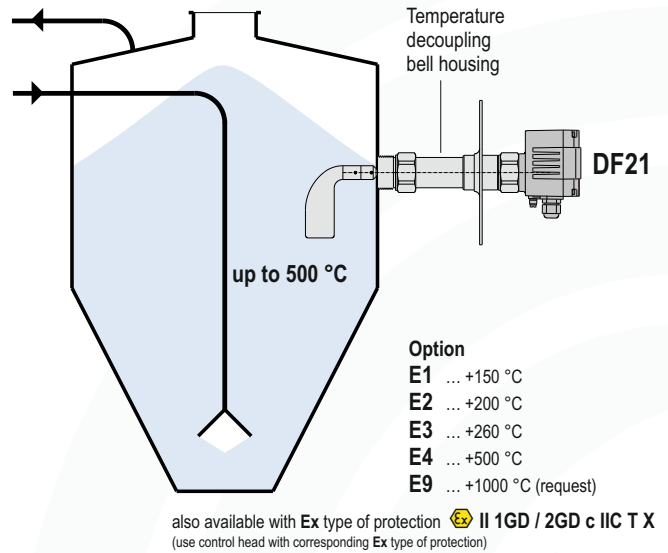


Pressure vessel conveyor



001-0512

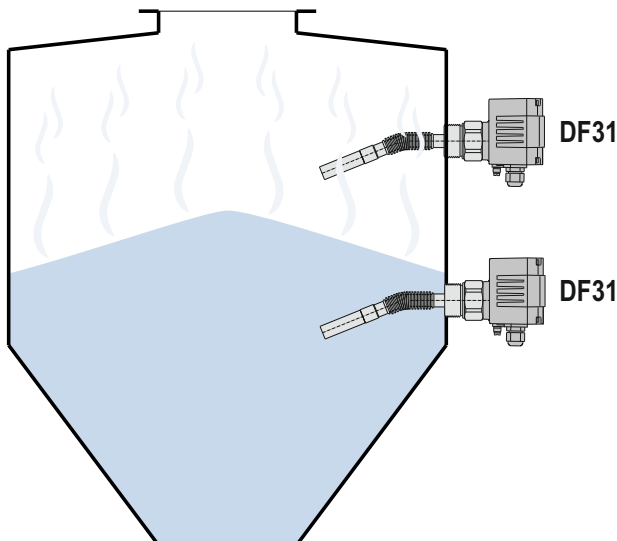
Dryer



001-0513

Aggressive materials

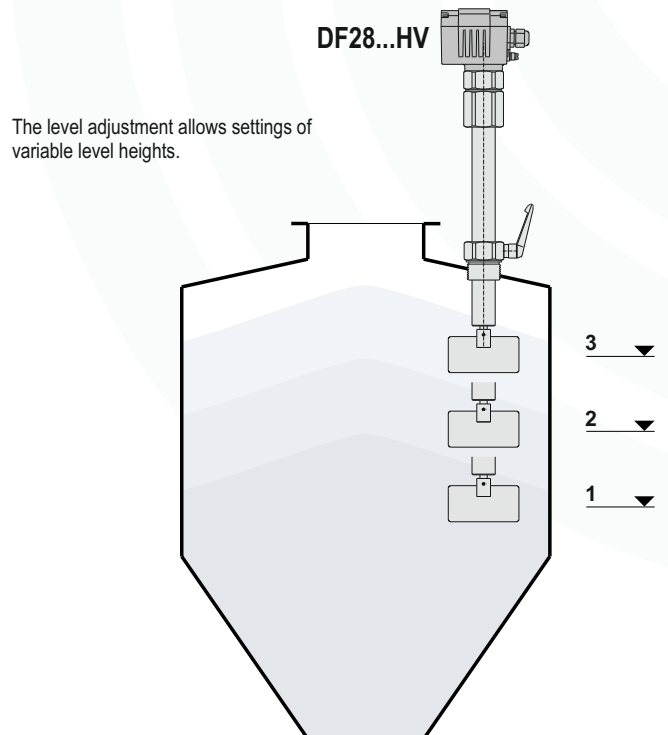
DF31 for use in aggressive bulk goods and/or aggressive gases



001-0514

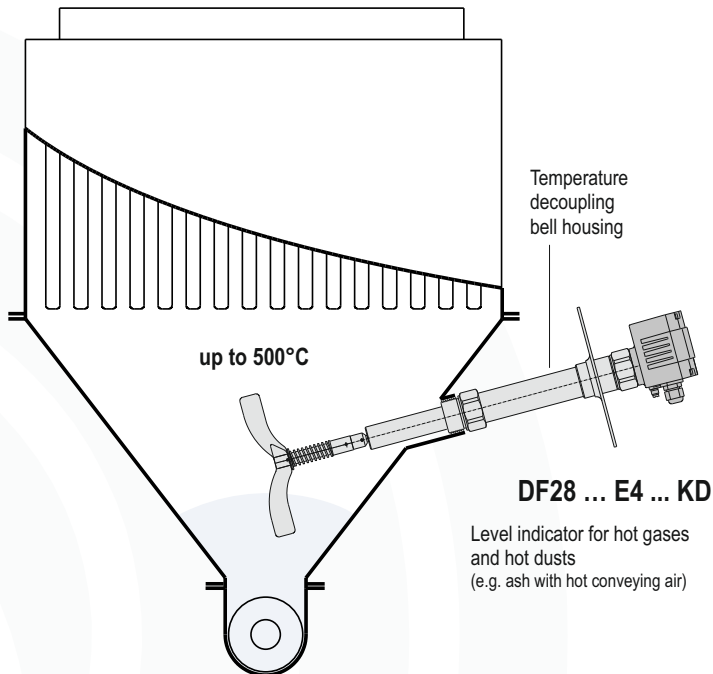
Level adjustment

also available with Ex type of protection **Ex** II 1GD / 2GD c IIC T X
(use control head with corresponding Ex type of protection)



001-0515

Filter

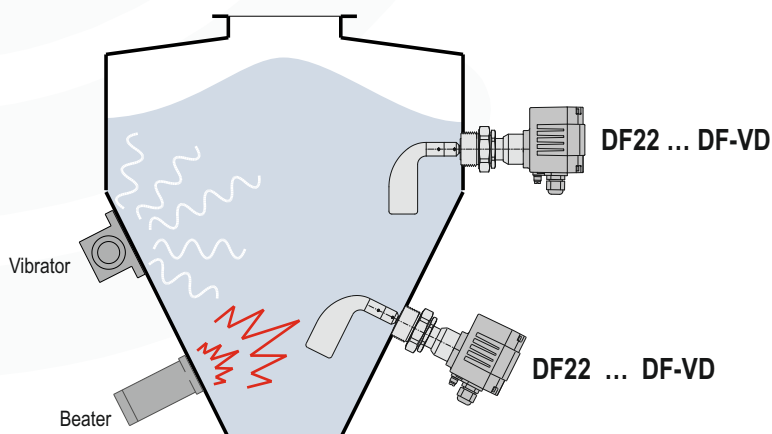


001-0516

Vibration dampening

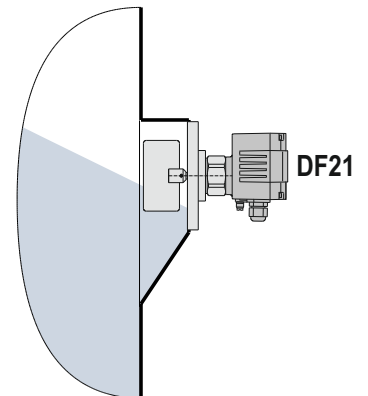
Vibration dampening
Option **DF-VD**

Damps the transmission of vibrations and shocks at the level indicator

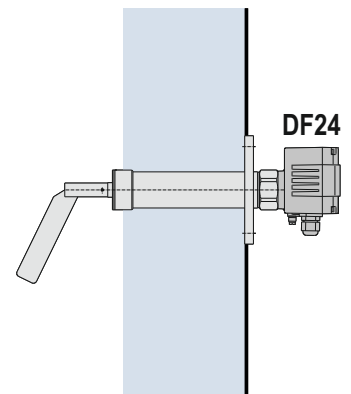


001-0517

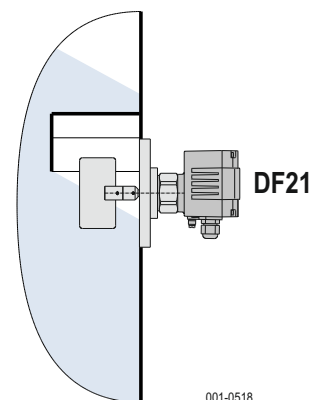
Mounting varieties



Installation in a "pocket" to protect measuring blade and shaft from too high loads.



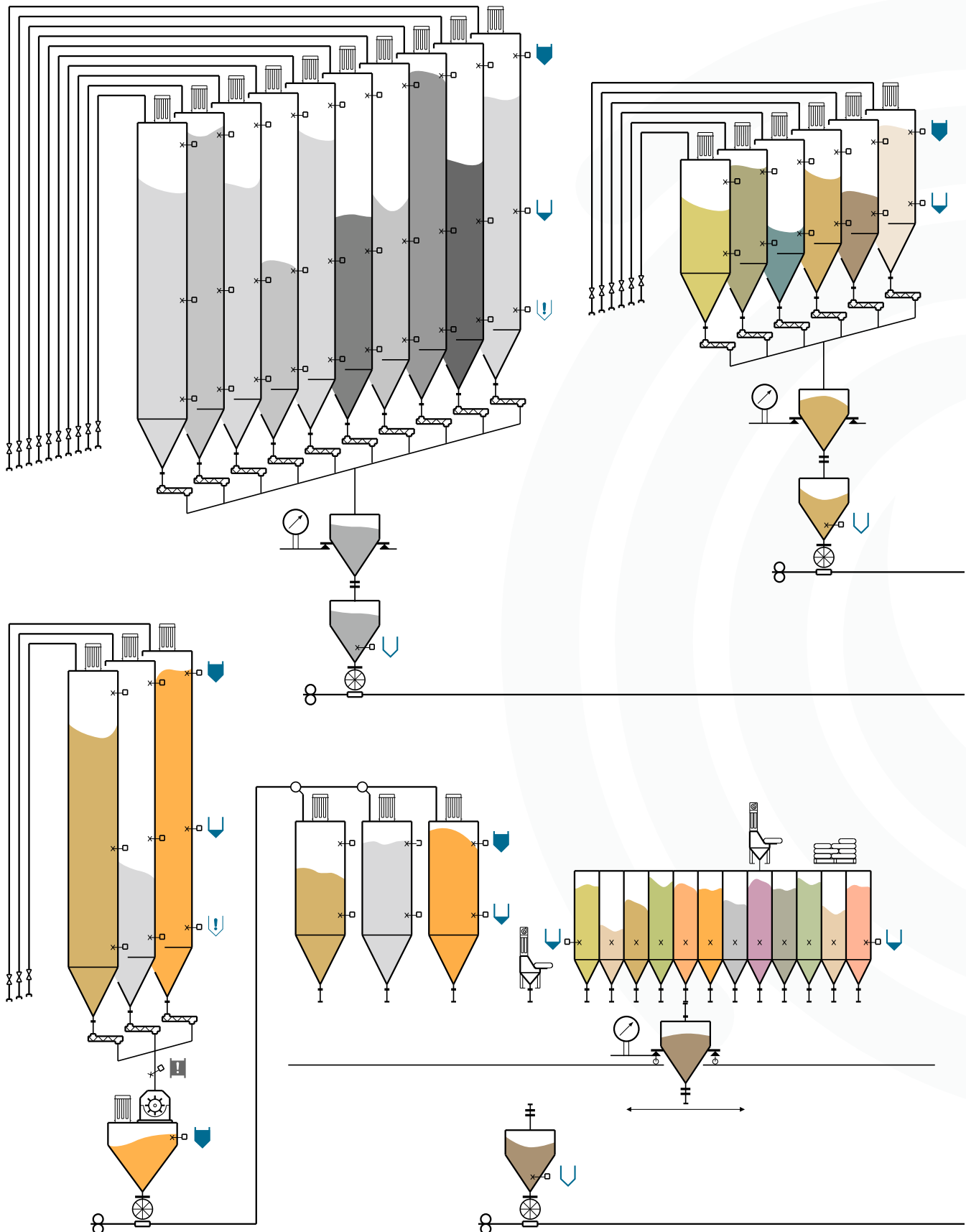
Mounting in thick silo walls
(e.g. silos of concrete) or to penetrate thick stickings at the silo wall



001-0518

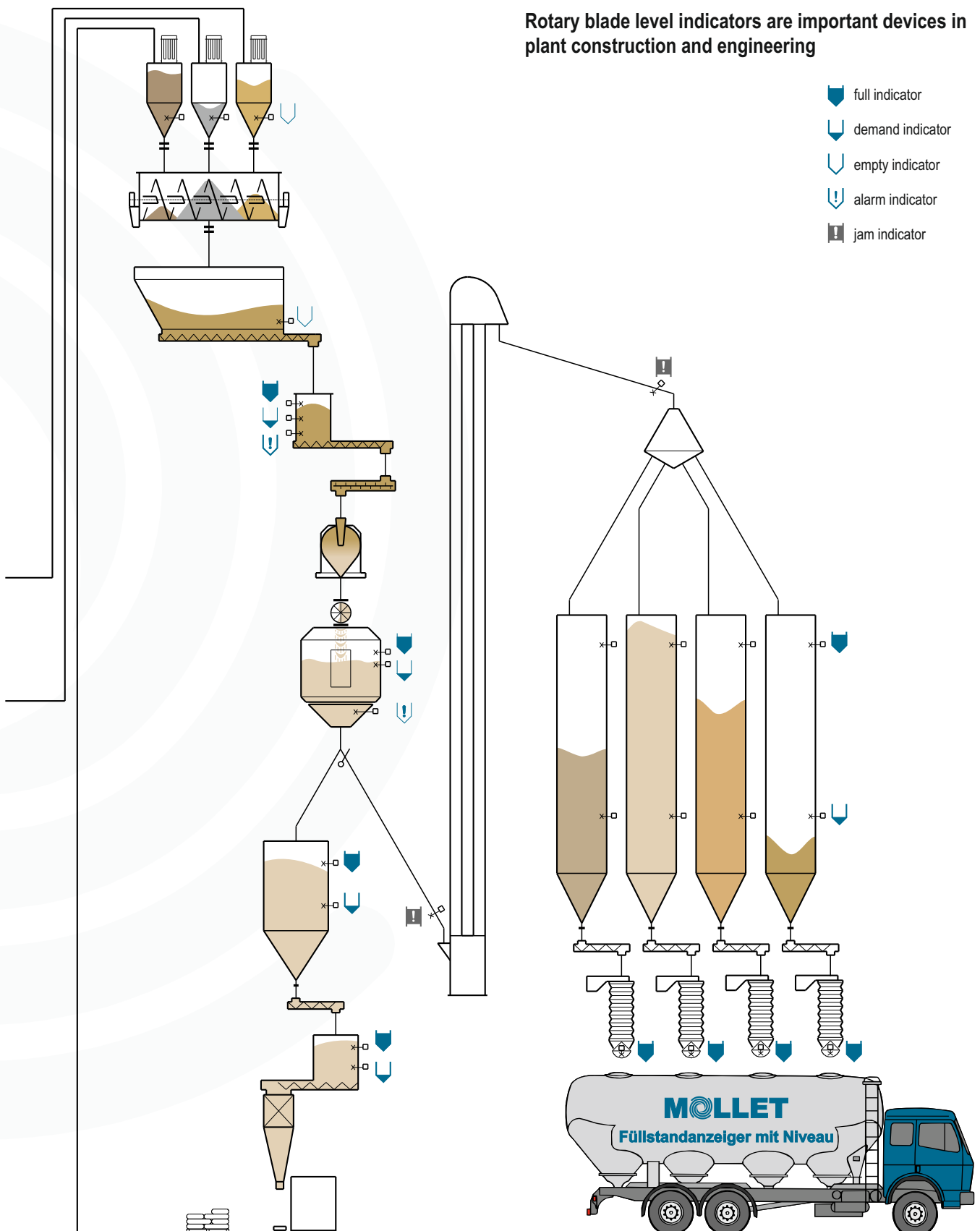
Protection roof above the measuring blade to protect the measuring blade and the shaft from too high loads.
e.g. large and heavy bulk material

Example of a plant for bulk goods with rotary blade level indicators



Rotary blade level indicators are important devices in plant construction and engineering

-  full indicator
-  demand indicator
-  empty indicator
-  alarm indicator
-  jam indicator



Silo with 2 chambers one upon the other

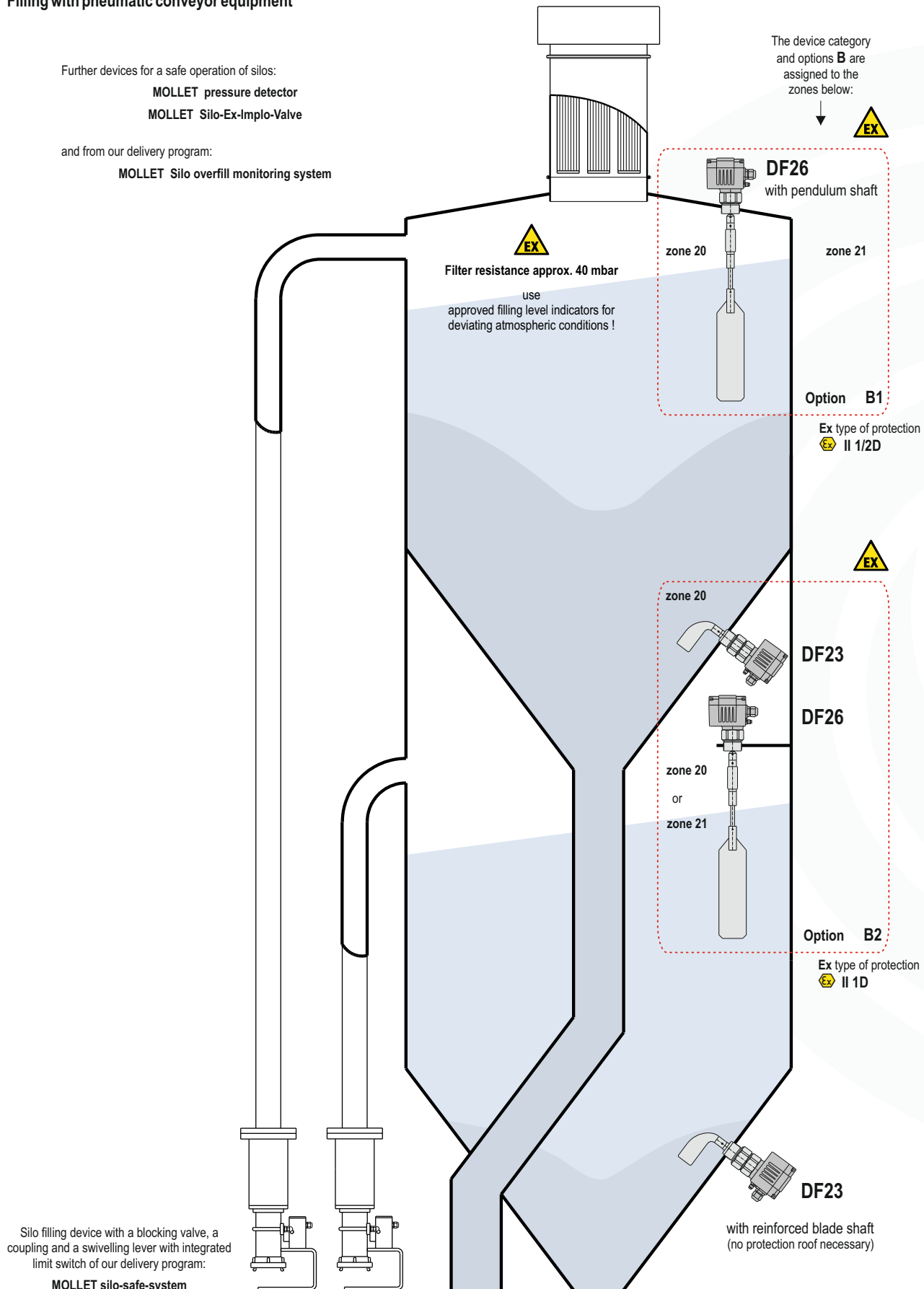
Filling with pneumatic conveyor equipment

Further devices for a safe operation of silos:

MOLLET pressure detector
MOLLET Silo-Ex-Implo-Valve

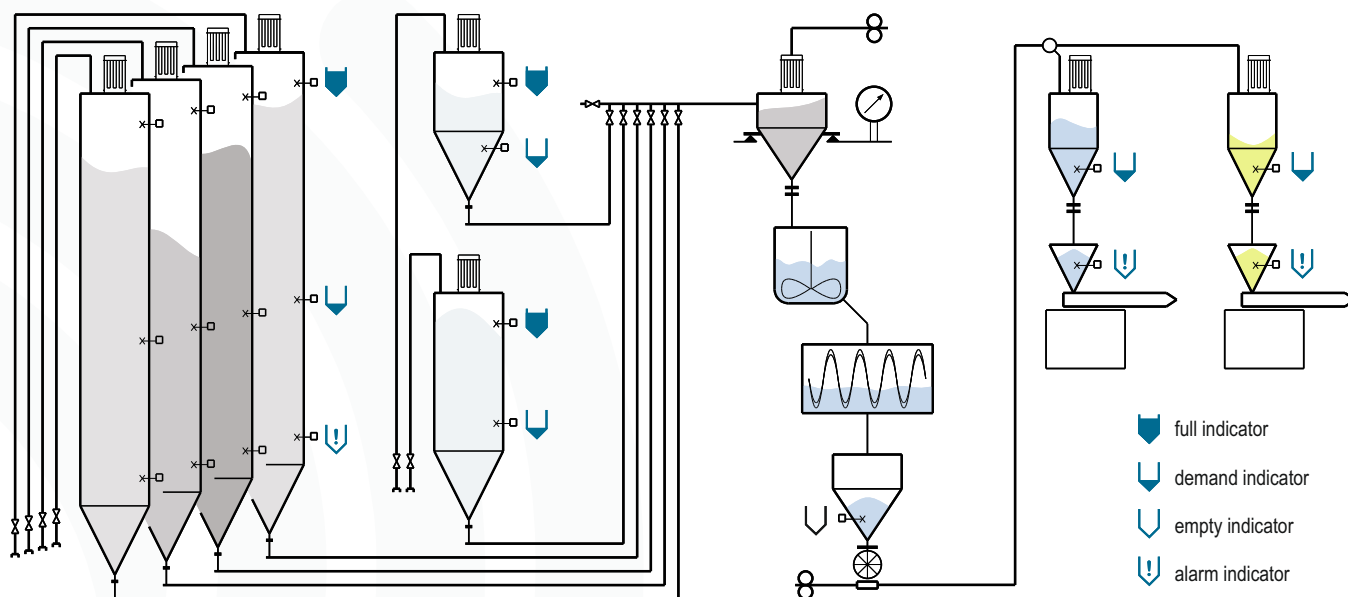
and from our delivery program:

MOLLET Silo overfill monitoring system

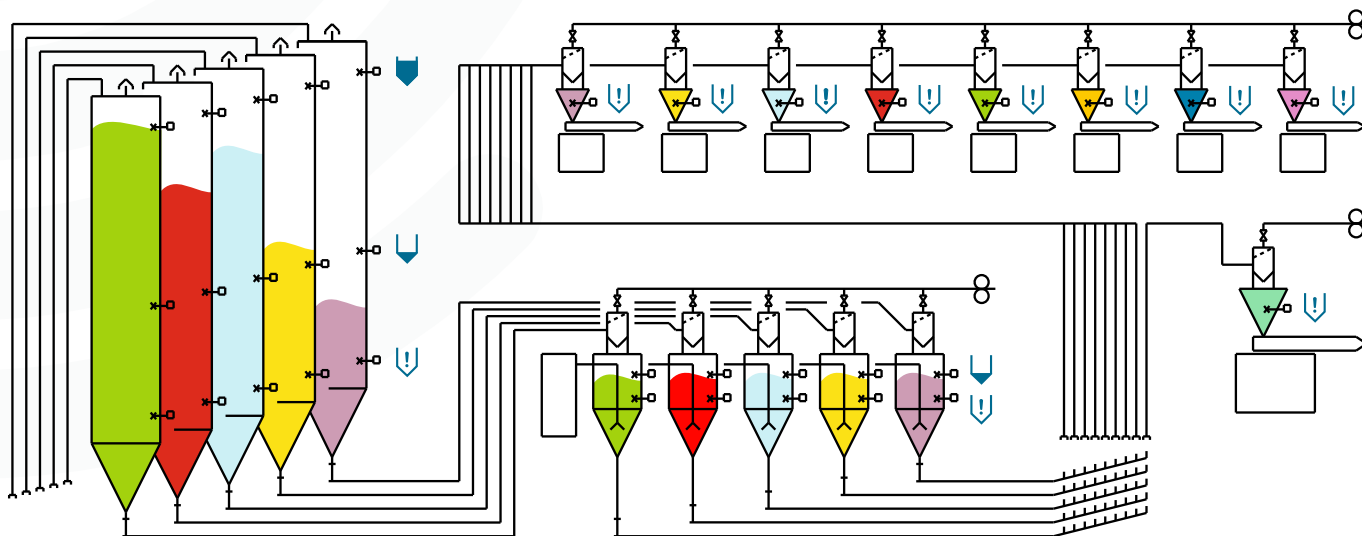


001-0520

Silo plant - PVC



Silo plant - plastic granulate



001-0521

Bellow feeder

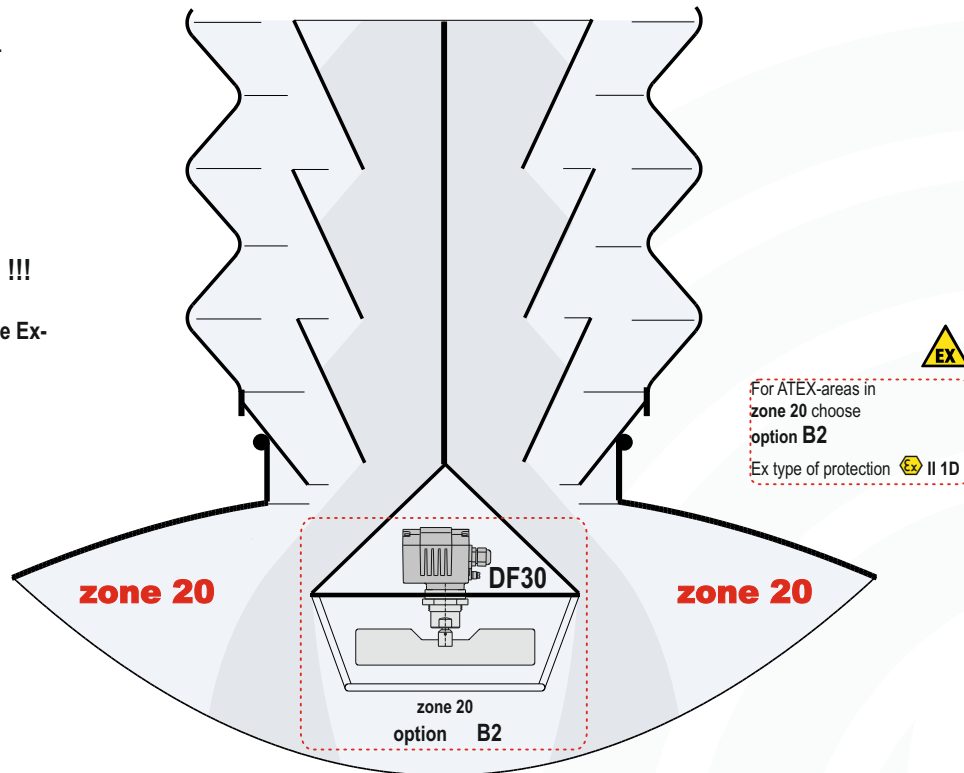
zone 20
and level indicator installed in the taper closure.

It's not enough to have a taper closure with type of protection IP6X.

A EC-type-examination Certificate is necessary.

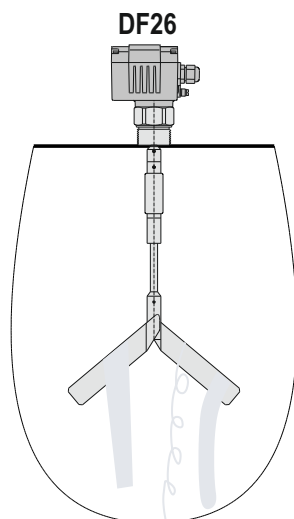
MOLLET provides the solution !!!

Rotary blade level indicators which are Ex-certified for installation in **zone 20**.



001-0522

Wood shavings, foil strips



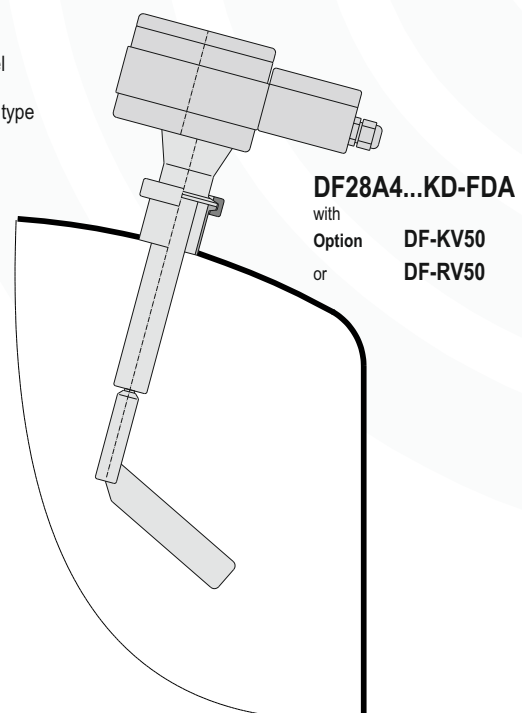
Special measuring blade
Option Y2

For use in:
Long fiber, wood shavings,
gauze, tinsel (strips of metal),
foamed plastic and foil strips,
sheets etc.

001-0518

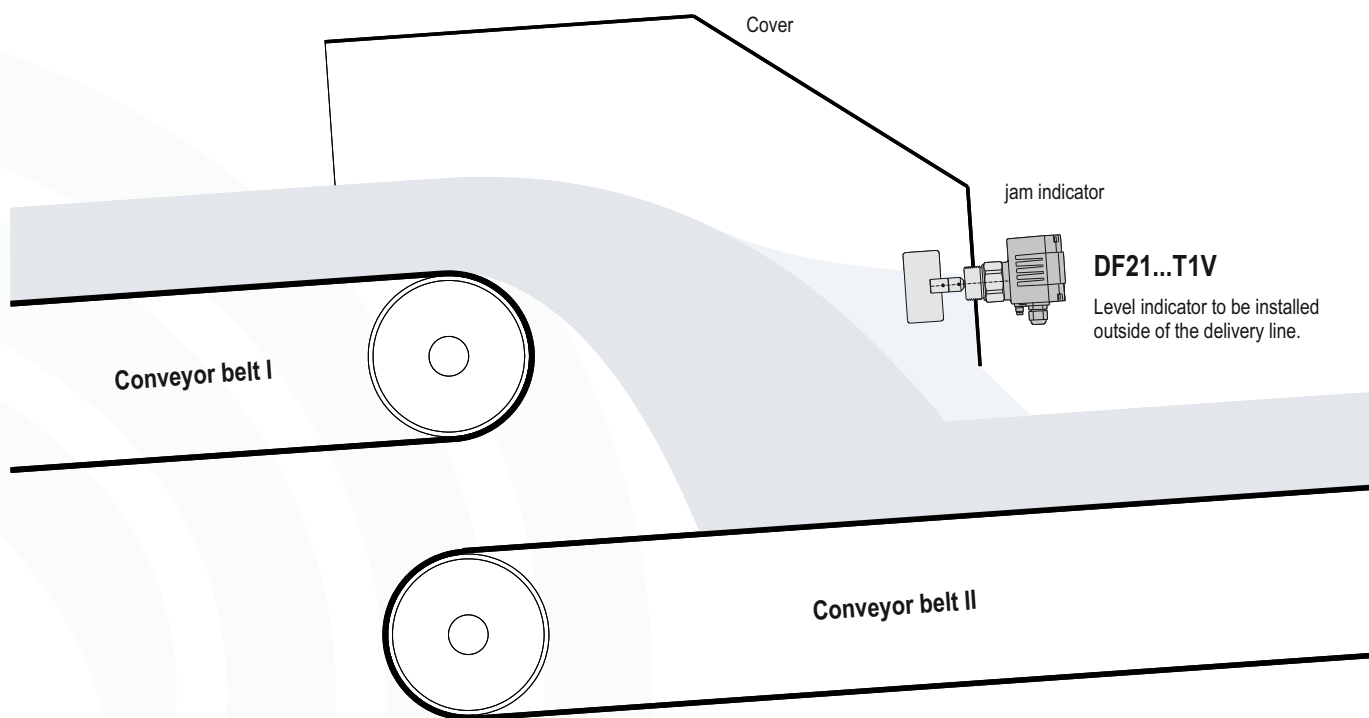
Clamp couplings, Dairy couplings

Stainless steel
housing and
FDA-conform type



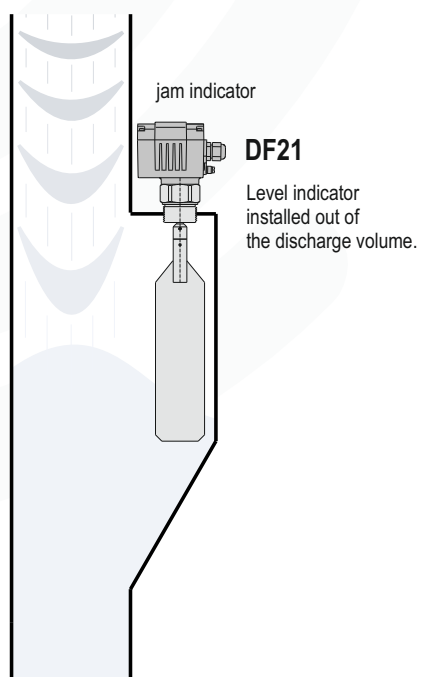
001-0523

Conveyor belt transfer



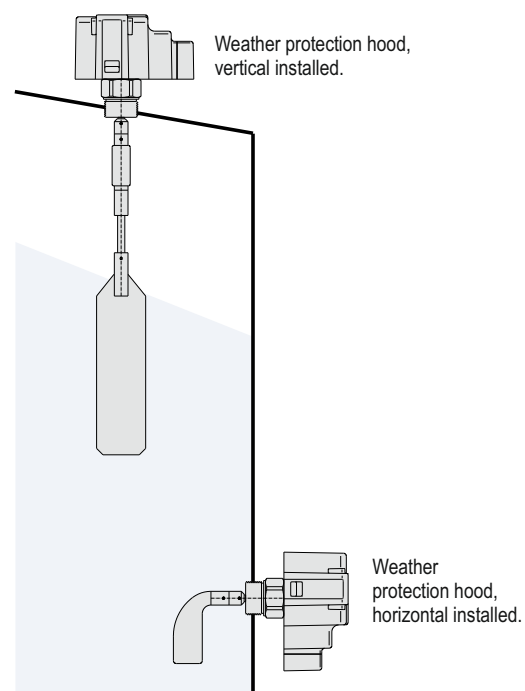
001-0524

Discharge pipe, vertical



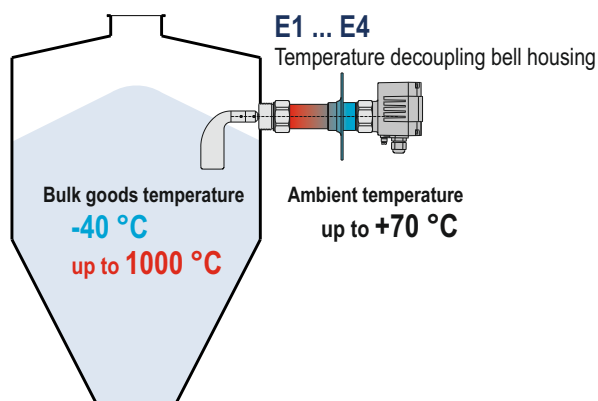
001-0525

Weather protection hood

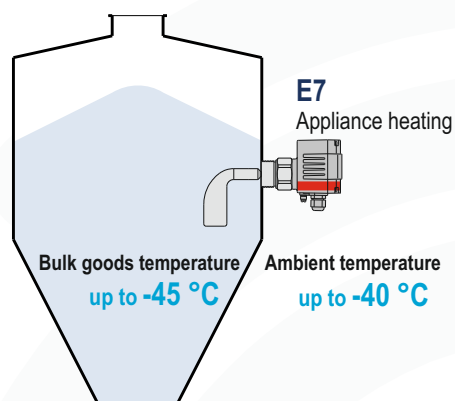


Type- and Application survey E., P2, ... VD, ... HV, ... DS

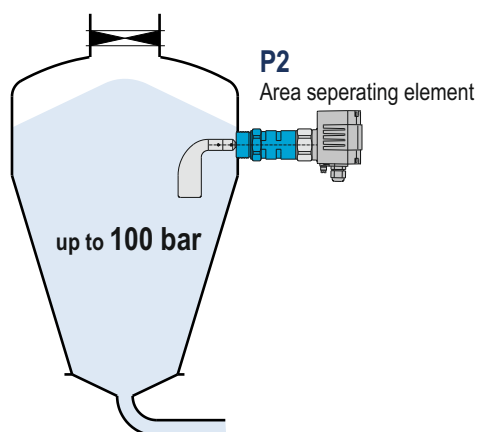
E1 ... E4 high temperatures



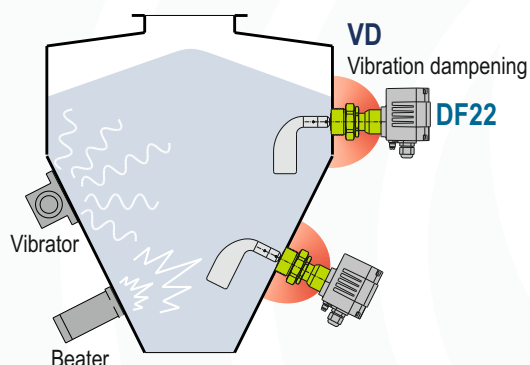
E7 Appliance heating



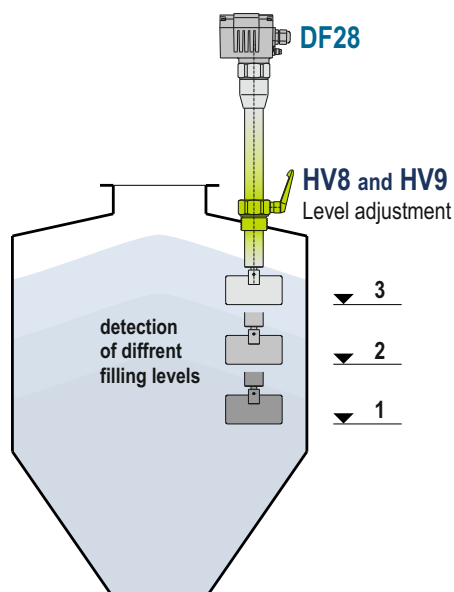
P2 high process pressure



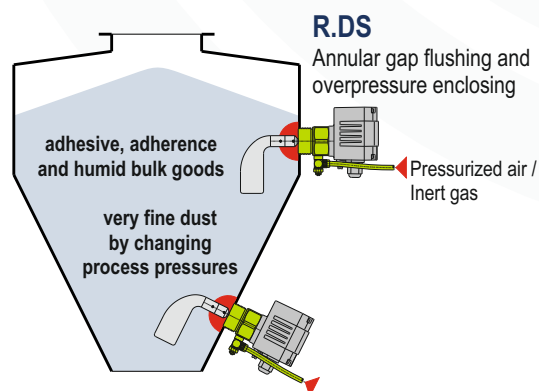
VD Vibration dampening for DF22



HV Level adjustment for DF28

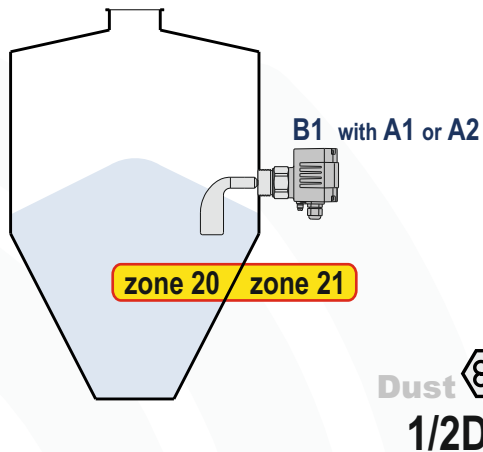


DS Annular gap flushing

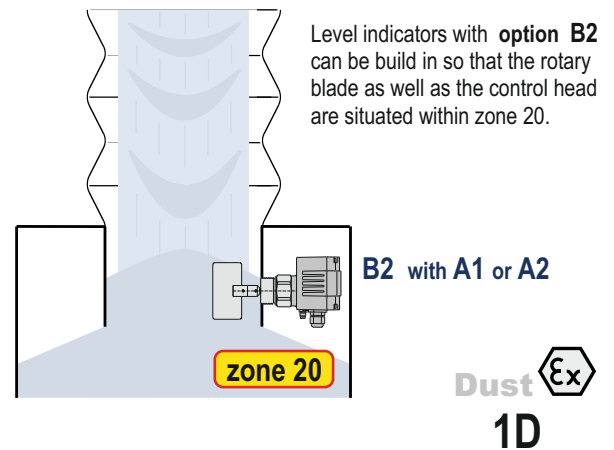


Type- and Application survey B1, B2, P7, ZTP7, A3, A4

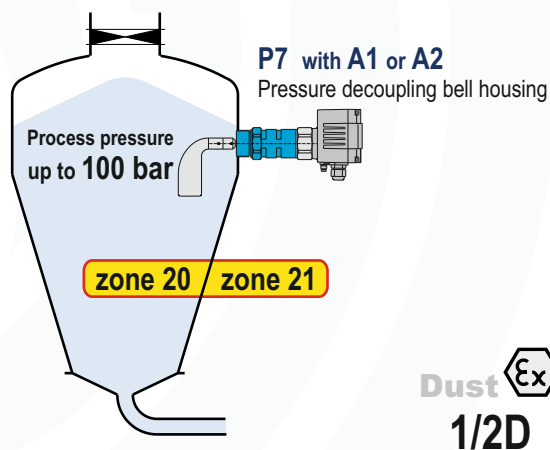
B1 Application for DustEx



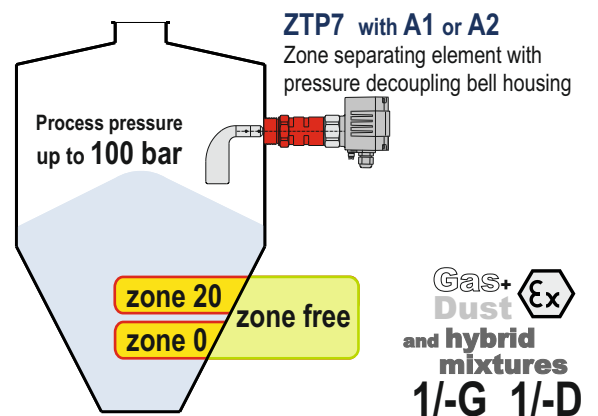
B2 Application for DustEx



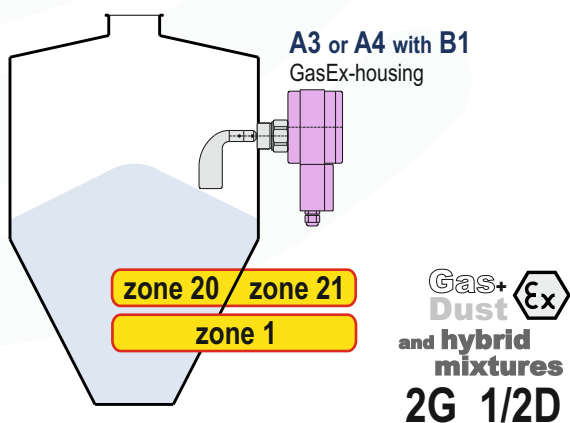
P7 high process pressure for DustEx



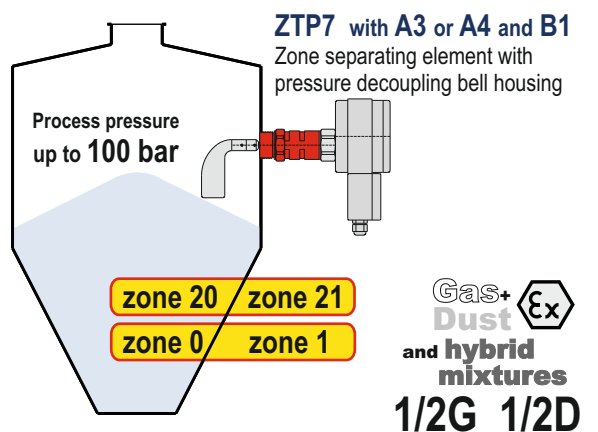
ZTP7 Zone separating for GasEx

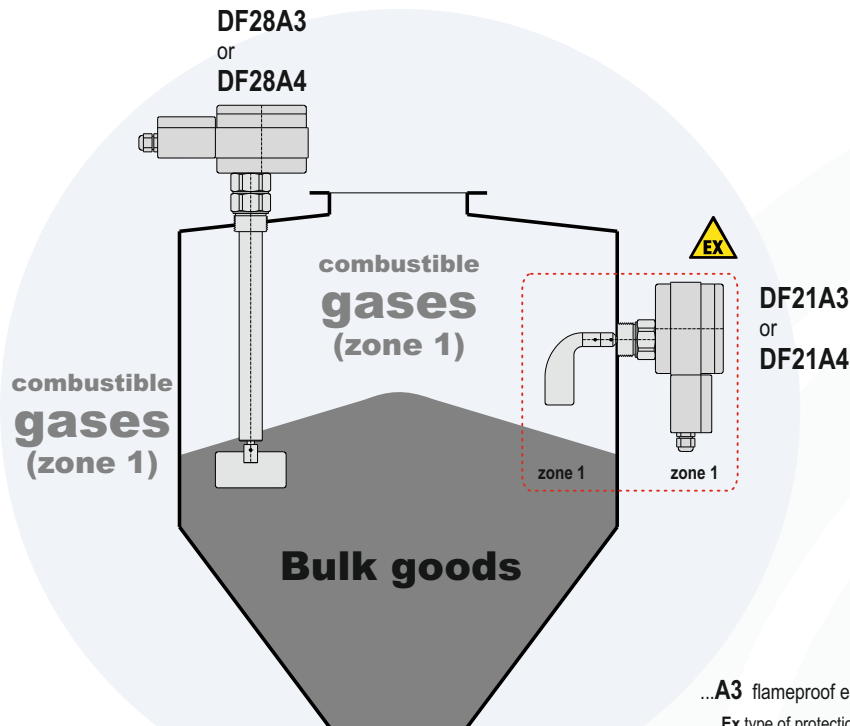


A3/A4 Devices for GasEx



ZTP7 Zone separating for GasEx





...A3 flameproof enclosed housing in aluminium

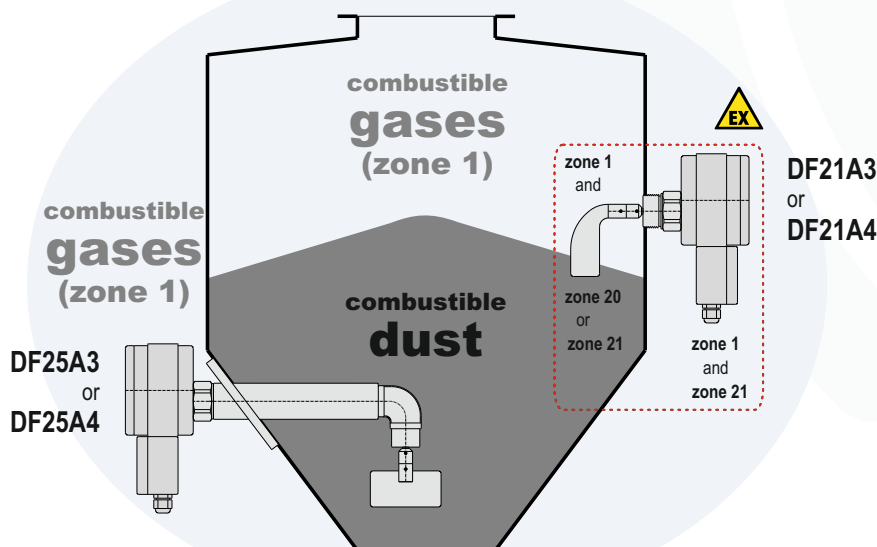
Ex type of protection  II 1D2G/2GD EEx de IIC T6 T70°C IP66

...A4 flameproof enclosed housing in stainless steel

Ex type of protection  II 1D2G/2GD EEx de IIC T6 T70°C IP66

001-0526

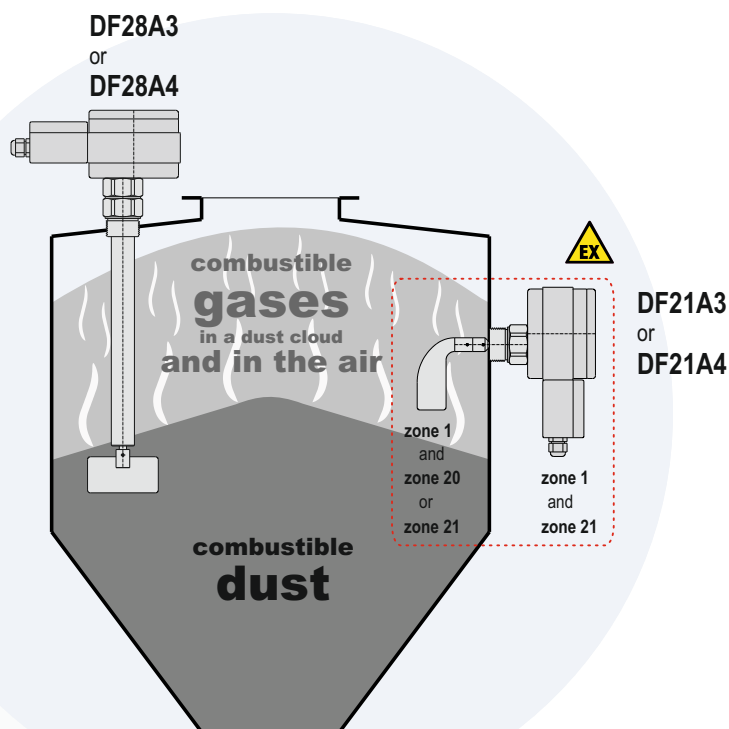
Gas+Dust  and hybrid mixtures



All combinations of the temperature decoupling bell housing
with the pressure decoupling bell housing and
in combination with the zone separating element are possible.

Gas+Dust  and **hybrid mixtures**

outgassing bulk goods



Temperature decoupling bell housing

Ex type of protection  II 1GD / 2GD c IIC T X see under DF-AB-08

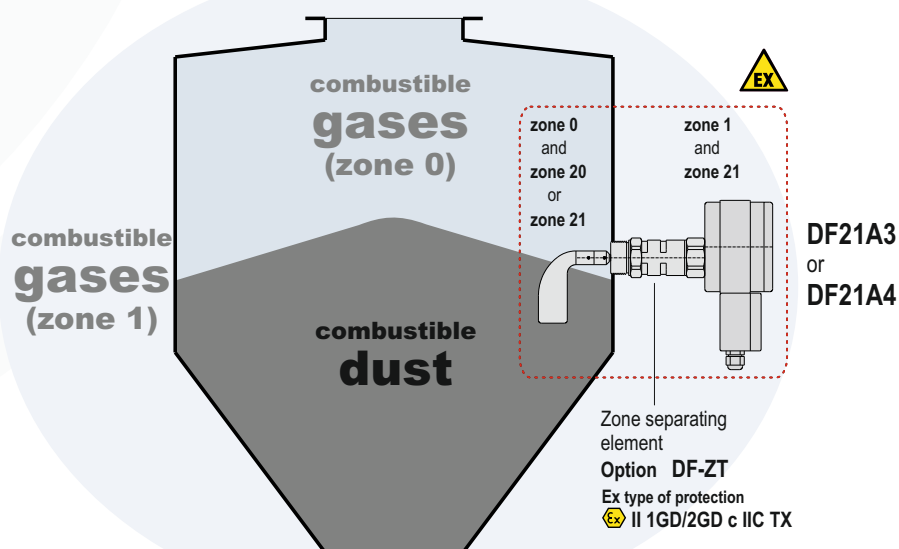
Pressure decoupling bell housing

Ex type of protection  II 1GD / 2GD c IIC T X see under DF-AB-08

001-0526

Gas+Dust  and **hybrid mixtures**

if there is zone 0 inside



The zone separating element Ex type of protection  II 1GD/2GD c IIC TX
is additional for use as a pressure decoupling

Level measurement in a silo for grain

