



**IF weighing platforms**  
Flat-bed scales  
PharmaLine

## PharmaLine basic models with customized options



PharmaLine flat-bed scale



Ultra-low profile



Easy to use



Hygienic design

### The product

IF PharmaLine flat-bed scales offer weighing capacities of 150 to 3,000 kg with resolution of 15,000 d.

This product line is available in platform sizes from 1,000×600 mm, 1,000×800 mm, 1,000×1,000 mm, 1,250×1,000 mm and 1,250×1,250. The low profile design makes it easy to load, so that pit installation is unnecessary. The stainless steel versions are ideal for use in pharmaceutical applications where stringent hygiene standards apply, and are approved for use in hazardous areas and fully FM approved.

The IF PharmaLine series offers optimal solutions for weighing containers in pharmaceutical clean rooms where pit installation is not permitted. Thanks to their low profile design (starting at 25 mm) and short, space-saving drive-on ramps, positioning containers on the platform is easy. The high-quality AISI 304 or 316 Ti stainless steel design with rounded corners is also available in electropolished versions (surface roughness  $R_a < 0.4 \mu\text{m}$ ). The platform lifting mechanism is made entirely of stainless steel, easy to use and requires no physical strength thanks to special gas-pressure cylinders.

The lifting mechanism meets the requirements of the latest occupational health and safety standards (international NIOSH Lifting Equation).

### Main features

Strain-gauge technology:  
4 load cells ensure precise results.

Low profile: standard platform height is 35 mm; optional heights available down to 25 mm.

Material | surface finish:  
AISI 304 bead-blasted stainless steel.

Resolution: scale intervals of 15,000 d.

IP protection: stainless steel versions are rated to IP68.

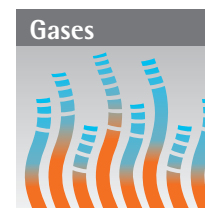
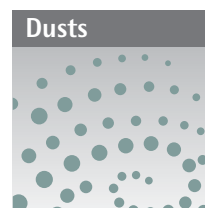
A drive-on ramp is included with every platform.

IFXS4 platforms are certified for use in FM Approved Class 1,2,3 Division 1 Groups ABCDEFGT4 (Verification of Intrinsic Safety included; also covers any explosion-protected Sartorius components combined with this platform).

### Options

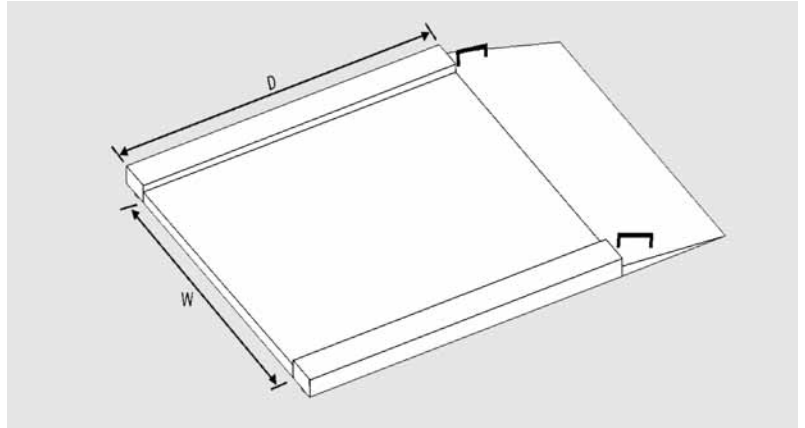
Lifting mechanism (Option T8, pressure cylinders) for raising the platform. The scale is raised, making it easy to clean the floor beneath the scale, as well as the bottom of the platform. A force of about 13 to 18 kg is required to raise the complete platform.

Optionally available in cold-rolled AISI 304 or 316 Ti 2B steel, electropolished (surface roughness  $R_a < 0.4 \mu\text{m}$ ), for use in clean rooms up to Grade A.



# Specifications

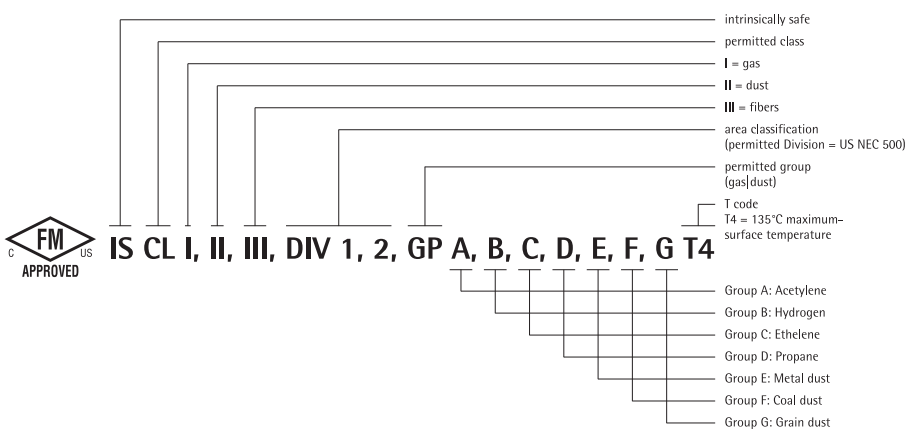
## General View



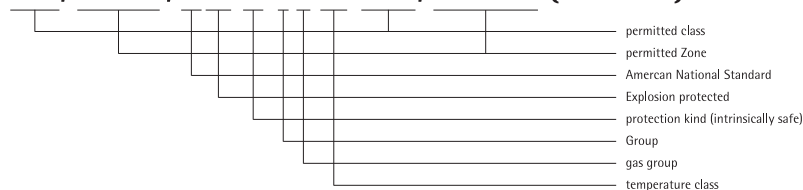
| Code                          | LG        | LI        | LL          | NL          | NN          |
|-------------------------------|-----------|-----------|-------------|-------------|-------------|
| <b>Dimensions in mm (D×W)</b> | 1,000×600 | 1,000×800 | 1,000×1,000 | 1,250×1,000 | 1,250×1,250 |

| Weighing capacity-L | Resolution    | Standard height   Optional height in mm |         |         |         |         |
|---------------------|---------------|---|---------|---------|---------|---------|
| Capacity in kg      | 15,000 d in g |   |         |         |         |         |
| 150                 | 10            | 35   25                                 | 35   25 | 35   25 | 35   25 | 35   25 |
| 300                 | 20            | 35   25                                 | 35   25 | 35   25 | 35   25 | 35   25 |
| 600                 | 50            | 35   25                                 | 35   25 | 35   25 | 35   25 | 45   35 |
| 1,000               | 100           | 35   25                                 | 35   25 | 35   25 | 35   25 | 45   35 |
| 1,500               | 100           | 35   25                                 | 45   35 | 45   35 | 45   35 | 45   35 |
| 3,000               | 200           |   |         | 45      | 45      | 45      |


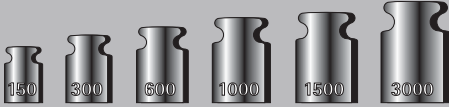
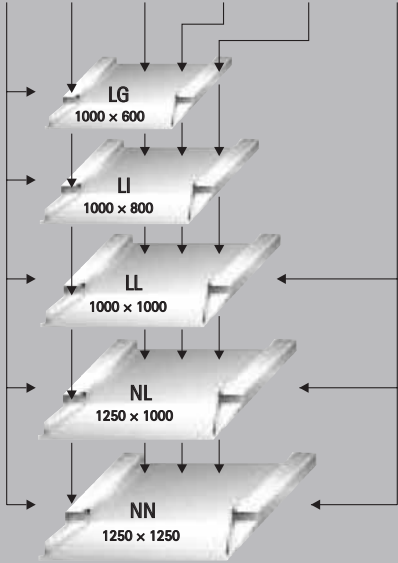
The length of the cable for connecting an indicator is 6 m.



## CL I, Zone 1, AEx ib IIC T4 CL II, Zone 20 (NEC 500)



**Example for placing an order: IF PharmaLine platform model IFS4-1500NN-L with Option T8**

|  |   |   |          |   |                  |          |  |
|--|---|---|----------|---|------------------|----------|--|
| <b>IF</b>  | <b>S</b>  | <b>4</b>  | <b>-</b> | <b>1500</b>   | <b>NN</b>        | <b>-</b> | <b>L</b>                               |
| Plat-<br>form  | Finish:<br>S = Stainless steel<br>XS = Ex-protected,<br>stainless steel | No. of<br>load cells<br> |          | Weighing capacity in kg<br> | Platform<br>size |          | Resolution:<br>Standard:<br>15,000 = L |
| Option T8, platform lifting mechanism<br>(must be included on order) |   |   |          |                            |                  |          |  |
| Special Versions available upon request                              |   |   |          |   |                  |          |  |

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