

Hygiene Gauges -100mm & 150mm Dial

- MODEL : HY10** (100mm Dial, Dry Case)
- LFHY10** (100mm Dial, Liquid Filled Case)
- HY15** (150mm Dial, Dry Case)
- LFHY15** (150mm Dial, Liquid Filled Case)

Features

- Designed for pressure measurement in Sanitary application
- Designed compliance to International Dairy Federation
- Compliance to latest EN-837 standard
- Range : Refer table
- Accuracy $\pm 1\%$ FSD (Standard), $\pm 0.5\%$ FSD (on request)
- Unit of measurement - kg/cm², bar, psi, kPa
- Micrometer pointer

Hygiene Gauges designed for pressure measurement in Sanitary application in accordance with International Dairy Federation (IDF) requirements in pharmaceutical, dairy, biotechnology, food & beverages industries.



Specifications

| | |
|--------------------------------|---|
| Ref. Standard | EN-837 |
| Dial | 100 mm / 150 mm in Aluminium, white background, black markings |
| Case | SS304 / SS316 with bayonet bezel |
| Protection | IP-68 (IS:13947 part I / IEC:60529) |
| Window | Safety glass (Shatter proof / Toughened glass) |
| Diaphragm | SS316L welded |
| Wetted Parts | SS316L |
| Movement | SS304 / SS316 |
| Range | Refer table |
| Connection | Triclover / SMS union / IDF fitting |
| Filling Fluid | Silicon oil / Glycerine / Food grade oil |
| Accuracy | $\pm 1\%$ FSD (0.5% FSD on request) |
| Over range | As per EN 837 |
| Zero adjustment | Micrometer Pointer |
| Blow out disc | Provided (on top) |
| Temperature suitability | Ambient (-)4°C to 60°C, Media 150°C |
| Temperature Effect | Within $\pm 0.4\%$ FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard) |
| Optional | NACE compliance External Knob for zero setting Glycerine filled case Triclover Clamp with Gasket SMS Male Coupling with Gasket IDF Male Coupling with Gasket CE Atex |

Ranges

| Gauge | bar, kg/cm ² | Least count |
|----------|-------------------------|-------------|
| Compound | (-)1 to 3* | 0.10 |
| | (-)1 to 5 | 0.10 |
| | (-)1 to 9 | 0.20 |
| | (-)1 to 15 | 0.50 |
| | (-)1 to 24 | 0.50 |
| Pressure | (-)1 to 39 | 1.0 |
| | 0 to 4* | 0.10 |
| | 0 to 6 | 0.10 |
| | 0 to 10 | 0.20 |
| | 0 to 16 | 0.50 |
| | 0 to 25 | 0.50 |
| | 0 to 40 | 1.0 |

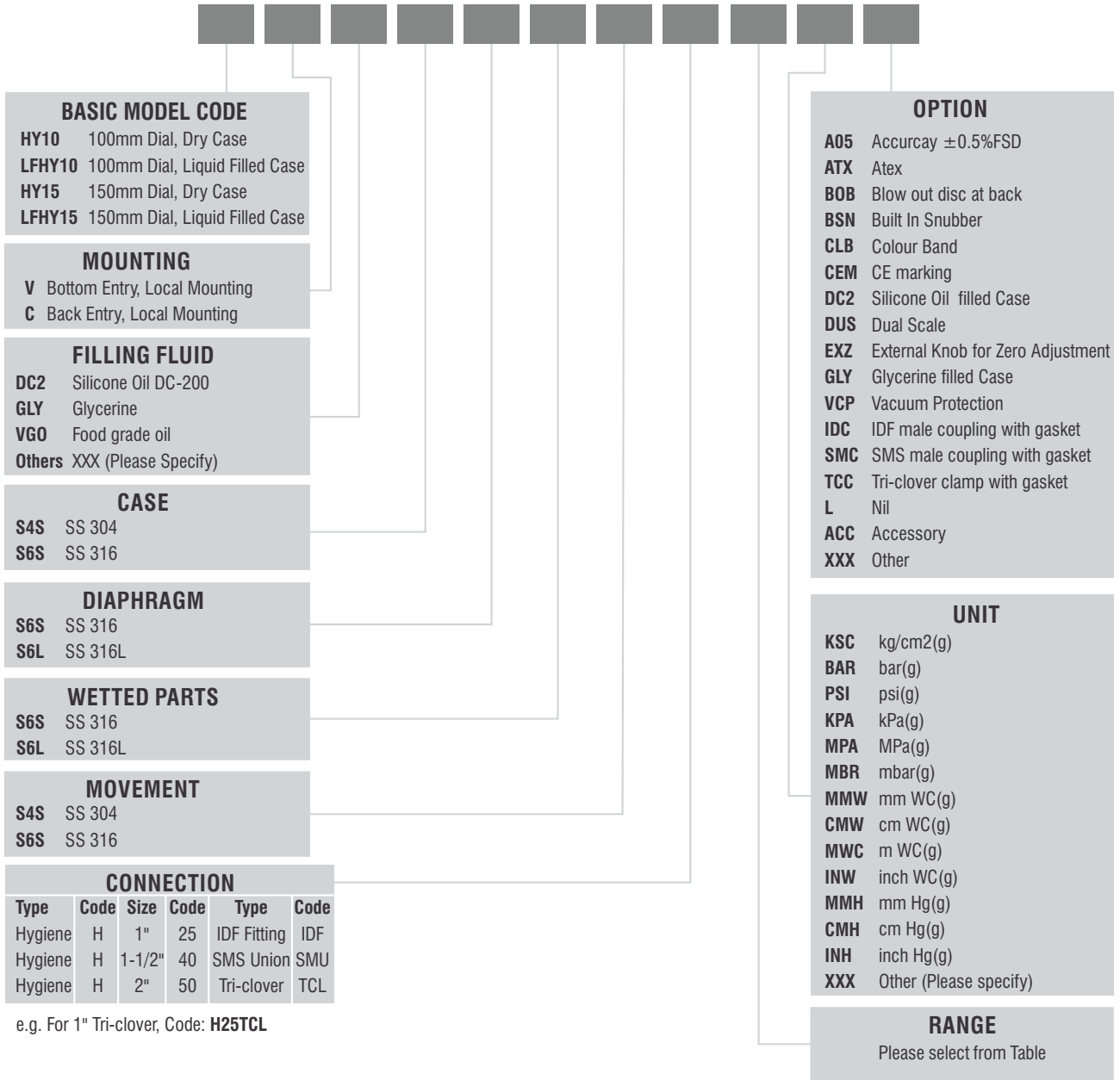
* Range 0 to 4 and (-)1 to 3 are available in 2" connection only

The parameters mentioned here are the standard specifications / values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.

Under Technical Collaboration with M/s. Gauges Bourdon, France

Ordering Information

MODEL



Sample Model Code: **LFHY10-V-VGO-S4S-S6S-S6S-S4S-H40TCL-(0-10)-BAR-GLY**

Hygiene Gauges - 63mm Dial

MODEL : HY63 (Dry Case)

LFHY63 (Liquid Filled Case)

Features

- Designed for pressure measurement in Sanitary application
- Designed compliance to International Dairy Federation
- Compliance to latest EN-837 standard
- Range : Refer table
- Accuracy $\pm 2\%$ FSD
- Unit of measurement - kg/cm², bar, psi, kPa

Hygiene Gauges designed for pressure measurement in Sanitary application in accordance with International Dairy Federation (IDF) requirements in pharmaceutical, dairy, biotechnology, food & beverages industries.



Specifications

| | |
|--------------------------------|---|
| Ref. Standard | EN-837 |
| Dial | 63 mm in Aluminium, white background, black markings |
| Case | SS304 / SS316 |
| Protection | IP-68 (IS:13947 part I / IEC:60529) |
| Window | Glass |
| Diaphragm | SS316L welded |
| Wetted Parts | SS316L |
| Movement | SS304 / SS316 |
| Range | Refer table |
| Connection | Triclover / SMS union / IDF fitting |
| Filling Fluid | Silicon oil / Glycerine / Food grade oil |
| Accuracy | $\pm 2\%$ FSD |
| Over range | As per EN 837 |
| Blow out disc | Provided (on top) |
| Temperature suitability | Ambient (-)4°C to 60°C, Media 150°C |
| Temperature Effect | Within $\pm 0.4\%$ FSD/10°C, when temperature changes from reference temperature of 20°C (as per EN-837 standard) |
| Optional | Glycerine filled case NACE Compliance Triclover clamp with Gasket SMS male coupling with Gasket IDF male coupling with Gasket CE |

Ranges

| Gauge | bar, kg/cm ² | Least count |
|-------|-------------------------|-------------|
| | 0 to 6 | 0.10 |
| | 0 to 10 | 0.20 |
| | 0 to 16 | 0.50 |
| | 0 to 25 | 0.50 |
| | 0 to 40 | 1.0 |

Note: Equivalent reading in other pressure Units also can be provided on request

The parameters mentioned here are the standard specifications / values generally used for most of the process applications. Any other specification not appearing here also can be provided as per customer requirement.

Under Technical Collaboration with M/s. Gauges Bourdon, France

Ordering Information

MODEL



BASIC MODEL CODE

HY63 63mm Dial, Dry Case
LFHY63 63mm Dial, Liquid Filled Case

MOUNTING

V Bottom Entry, Local Mounting
C Back Entry, Local Mounting

FILLING FLUID

DC2 Silicone Oil DC-200
GLY Glycerine
VGO Food grade oil
Others XXX (Please Specify)

CASE

S4S SS 304
S6S SS 316

DIAPHRAGM

S6S SS 316
S6L SS 316L

WETTED PARTS

S6S SS 316
S6L SS 316L

MOVEMENT

S4S SS 304
S6S SS 316

CONNECTION

| Type | Code | Size | Code | Type | Code |
|---------|------|--------|------|-------------|------|
| Hygiene | H | 1" | 25 | IDF Fitting | IDF |
| Hygiene | H | 1-1/2" | 40 | SMS Union | SMU |
| Hygiene | H | 2" | 50 | Tri-clover | TCL |

OPTION

BSN Built In Snubber
CLB Colour Band
CEM CE marking
DC2 Silicone Oil filled Case
DUS Dual Scale
GLY Glycerine filled Case
VCP Vac protection
IDC IDF male coupling with gasket
SMC SMS male coupling with gasket
TCC Tri-clover clamp with gasket
L Nil
ACC Accessory
XXX Other

UNIT

KSC kg/cm2(g)
BAR bar(g)
PSI psi(g)
KPA kPa(g)
MPA MPa(g)
MBR mbar(g)
MMW mm WC(g)
CMW cm WC(g)
MWC m WC(g)
INW inch WC(g)
MMH mm Hg(g)
CMH cm Hg(g)
INH inch Hg(g)
XXX Other (Please specify)

RANGE

Please select from Table

e.g. For 1" Tri-clover, Code: **H25TCL**

Sample Model Code: LFHY63-V-VGO-S4S-S6S-S6S-S4S-H40TCL-(0-10)-BAR-GLY