



## TÖMEGÁRAM MÉRŐ - QUANTIM

Quantim Sorozat

QUANTIM

Quantim

- Hosszú élettartam
- Nagy pontosság a Coriolis technológiának köszönhetően
- Áramlási tartomány: 10-27000 gr / h
- Különböző IP-osztályokban kapható
- Nagy megismételhetőség



### TERMÉKLEÍRÁS

A Quantim egy Coriolis tömegáram-szabályozó/tömegárammérő, amely a legtöbb alkalmazási területen a különböző típusú folyadékok és gázok mérésére és szabályozására használható (ahhoz, hogy a gázok jól működjenek, nagy sűrűségűnek vagy nagy nyomásúnak kell lenniük).

Előnyösen használható, amikor a folyadékok pontos vezérlésére/mérésére van szükség párologtatókhoz, reaktorokhoz vagy különböző adagolási módokhoz.

Megrendelésével és bővebb felvilágosításért forduljon Bjarne Österberghez a [bjarne.osterberg@oemautomatic.se](mailto:bjarne.osterberg@oemautomatic.se) e-mail címen vagy a +46 075 242 4251-es telefonszámon.

| Model Code                             |             |                                                     |                                                                                                          |
|----------------------------------------|-------------|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Code                                   | Description | Code                                                | Option Description                                                                                       |
| F - Base Model Code                    |             | QWBC                                                | Flow controller                                                                                          |
|                                        |             | QWBM                                                | Flow meter                                                                                               |
| H - Tube Size                          |             |                                                     |                                                                                                          |
|                                        |             | none, optional flow controller, optional flow meter |                                                                                                          |
|                                        |             | 1/2" (16.0 mm)                                      | 1/2" (16.0 mm)                                                                                           |
|                                        |             | 3/4" (19.0 mm)                                      | 3/4" (19.0 mm)                                                                                           |
|                                        |             | 1" (25.4 mm)                                        | 1" (25.4 mm)                                                                                             |
|                                        |             | 1 1/2" (38.1 mm)                                    | 1 1/2" (38.1 mm)                                                                                         |
|                                        |             | 2" (50.8 mm)                                        | 2" (50.8 mm)                                                                                             |
| HII - Fluid Type                       |             |                                                     |                                                                                                          |
|                                        |             | G                                                   | gas                                                                                                      |
|                                        |             | L                                                   | liquid                                                                                                   |
|                                        |             | M                                                   | Misc. select primary fluid type, flow can switch from liquid to gas and vice versa. Venting is required. |
| IV - Pressure Transducer               |             |                                                     |                                                                                                          |
|                                        |             | S                                                   | no transducer                                                                                            |
| V - Valve Type                         |             |                                                     |                                                                                                          |
|                                        |             | A                                                   | no valve                                                                                                 |
|                                        |             | B                                                   | normally closed internal valve                                                                           |
| VI - Accuracy                          |             |                                                     |                                                                                                          |
|                                        |             | J                                                   | standard 0.2% of rate                                                                                    |
|                                        |             | K                                                   | optional 0.1% of rate                                                                                    |
|                                        |             | L                                                   | standard 0.5% of rate                                                                                    |
|                                        |             | M                                                   | optional 1.0% of rate                                                                                    |
| VII - Enclosure                        |             |                                                     |                                                                                                          |
|                                        |             | type                                                | Area Classification                                                                                      |
|                                        |             | A                                                   | NEMA 4X (IAC)                                                                                            |
|                                        |             | B                                                   | NEMA 4X (IAC)                                                                                            |
|                                        |             | C                                                   | NEMA 4X (IAC)                                                                                            |
|                                        |             | D                                                   | NEMA 4X (IAC)                                                                                            |
|                                        |             | E                                                   | NEMA 4X (IAC)                                                                                            |
|                                        |             | F                                                   | NEMA 4X (IAC)                                                                                            |
| VIII - Surface Finish                  |             |                                                     |                                                                                                          |
|                                        |             | S                                                   | standard surface finish (32-50)                                                                          |
| IX - Sensor Tube Material              |             |                                                     |                                                                                                          |
|                                        |             | A                                                   | stainless steel (316)                                                                                    |
|                                        |             | B                                                   | stainless steel (304)                                                                                    |
| X - Maximum Pressure Rating            |             |                                                     |                                                                                                          |
|                                        |             | J                                                   | 15 bar or 500 psi                                                                                        |
|                                        |             | K                                                   | 100 bar or 1500 psi                                                                                      |
|                                        |             | L                                                   | 300 bar or 4500 psi                                                                                      |
| XI - Maximum Temperature Rating        |             |                                                     |                                                                                                          |
|                                        |             | A                                                   | 85 Deg. C (185 Deg. F)                                                                                   |
| XII - Process Connections              |             |                                                     |                                                                                                          |
|                                        |             | 1A                                                  | standard body connections 1/2" x 24 UNF                                                                  |
|                                        |             | 1B                                                  | 1/2" tube compression fittings                                                                           |
|                                        |             | 1C                                                  | 1/4" tube compression fittings                                                                           |
|                                        |             | 1D                                                  | 1/8" tube compression fittings                                                                           |
|                                        |             | 1E                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1F                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1G                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1H                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1I                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1J                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1K                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1L                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1M                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1N                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1O                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1P                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1Q                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1R                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1S                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1T                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1U                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1V                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1W                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1X                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1Y                                                  | 1/4" NPT                                                                                                 |
|                                        |             | 1Z                                                  | 1/4" NPT                                                                                                 |
| XIII - Electrical I/O - Communications |             |                                                     |                                                                                                          |
|                                        |             | Primary Output                                      |                                                                                                          |
|                                        |             | A                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | B                                                   | 0-10 Vdc                                                                                                 |
|                                        |             | C                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | D                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | E                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | F                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | G                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | H                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | I                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | J                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | K                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | L                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | M                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | N                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | O                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | P                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | Q                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | R                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | S                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | T                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | U                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | V                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | W                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | X                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | Y                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | Z                                                   | 0-1 Vdc                                                                                                  |
|                                        |             | AA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | AZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | BZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | CZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | DZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ED                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ER                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ES                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ET                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | EZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | FZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | GZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | HZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ID                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | II                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | IZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | JZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | KZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | LZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MD                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ME                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ML                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MV                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MW                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MX                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MY                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | MZ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NA                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NB                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NC                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | ND                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NE                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NF                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NG                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NH                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NI                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NJ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NK                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NL                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NM                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NN                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NO                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NP                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NQ                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NR                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NS                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NT                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NU                                                  | 0-1 Vdc                                                                                                  |
|                                        |             | NV                                                  |                                                                                                          |





Figure 3 Lay-In Dimensions Integral Valve