# MINI DOMELOADED PRESSURE REGULATOR RD2

LOW FLOW • COMPACT • ECONOMICAL

MAIN FEATURES

- ss 316L
- integral 25 µm filter
- unbalanced valve
- piston sensing
- bubble tight shut-off
- bottom mounting
- cartridge valve assembly
- shell design according to EN 12516
- delivery according to PED

CHARACTERISTICS

Inlet pressure	: 400 bar
Outlet pressure range	: 0 - 400 bar
Seat diameter	: 2.2 mm
Cv (Kv)	: 0.05 (0.043)
Materials:	
• Body, Trim, Dome	: ss 316L
• Seat	: pctfe
• Seals	: elastomer
Connections:	
• Line	: ¼" npt
• Dome	: ⅛" npt
• Gauge ports	: 2x ¼" npt
Weight	: 1,4 kg
Temperature range	: -20°C to +80°C

PANELMOUNTING

No disassembly required placing the RD2 regulator in a panel. (To be ordered separately).

CLEANING

This regulator is ultrasonically cleaned and degreased. Oxygen cleaning based on ASTM-G93 Level C / CGA 4.1 is optional.

PORTING STYLE

PANELMOUNTING HOLES:
- 2X ø5.5, FOR M5 SCREWS
- 1X ø60, FOR PANELRING

ø60 +0.5
ø5.5 (2X)
ø70

ø55
PANEL
PANELRING
MOUNTING SCREWS
107
1/4" NPT
17
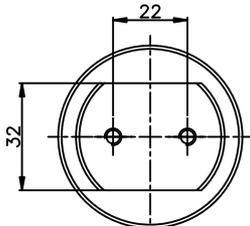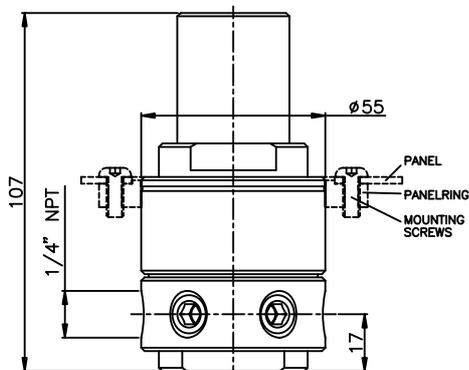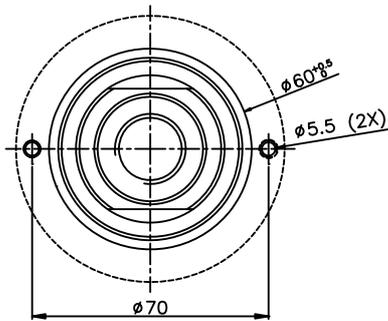
22
32
BOTTOMMOUNTING HOLES
2XM5, 5MM THREAD

IN   OUT
IN   OUT
TOPVIEW
FLOW
DOME
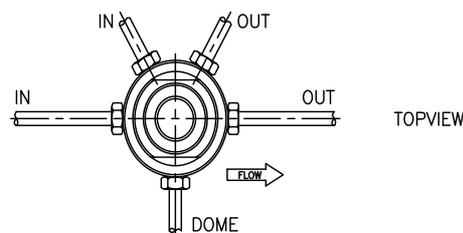
⚠ **Swagelok regulators are not "Safety Accessories" as defined in the Pressure Equipment Directive 97/23/EC:**

⚠ **Do not use the regulator as a shut off device.**

RHPS Series

Swagelok
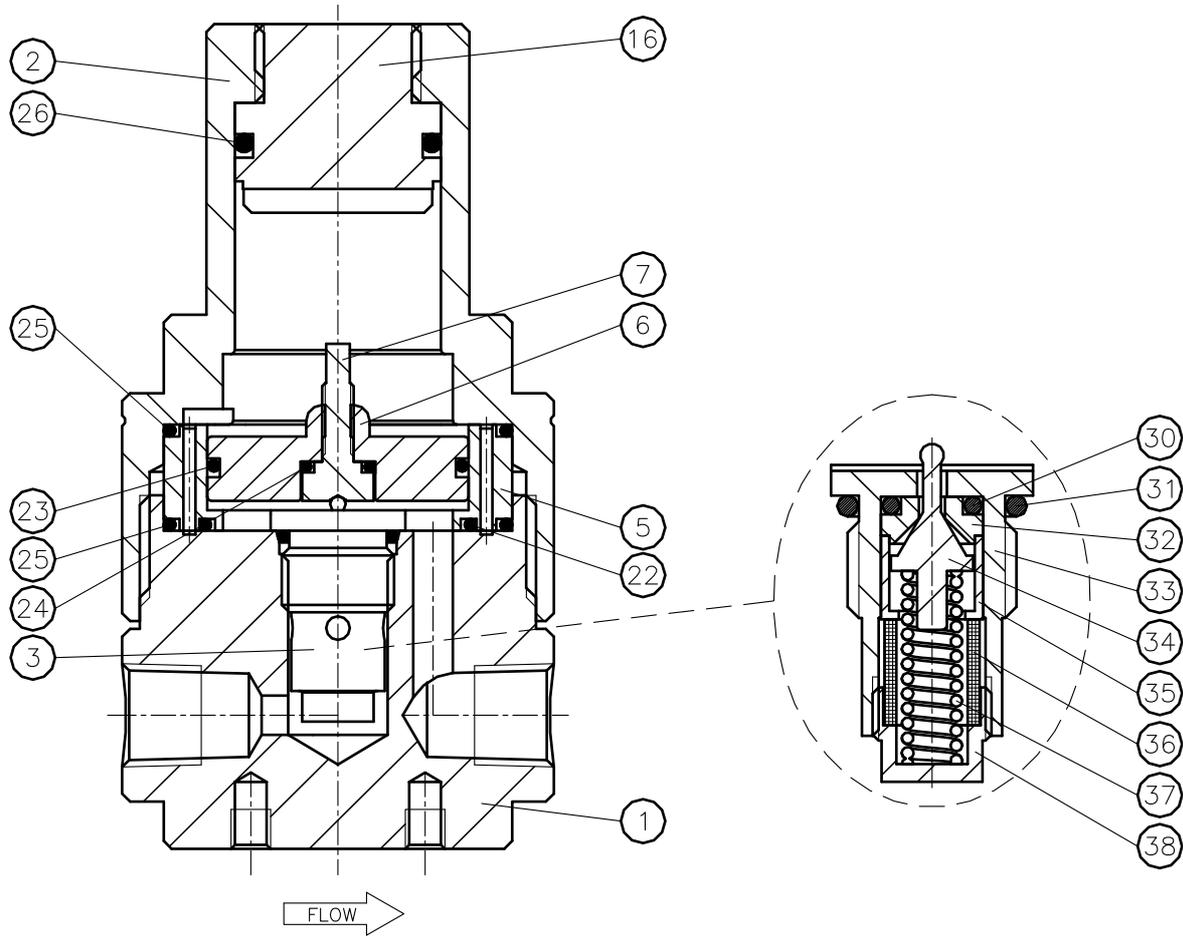
SERVICE-MAINTENANCE

The factory assembled and tested valve cartridge provides "plug and play" in-field service

ORDERING INFORMATION
example: RDN2-02-VVK-L

RD	N2	- 02	- V	V	K	- L
series / inlet	connection	material	o-rings	piston o-rings	seat	options
RD = 400 bar	**N2** = ¼" npt	**02** = ss316L	**V** = viton *Options:* **N** = nitrile **E** = epdm **F** = ffkm	**V** = viton *Options:* **N** = nitrile **E** = epdm **F** = ffkm	**K** = pctfe *Options:* **P** = peek	**L** = no filter **N** = nace

Red text identifies an example ordering number.

Safe Product Selection
When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user

RHPS Series

Swagelok®