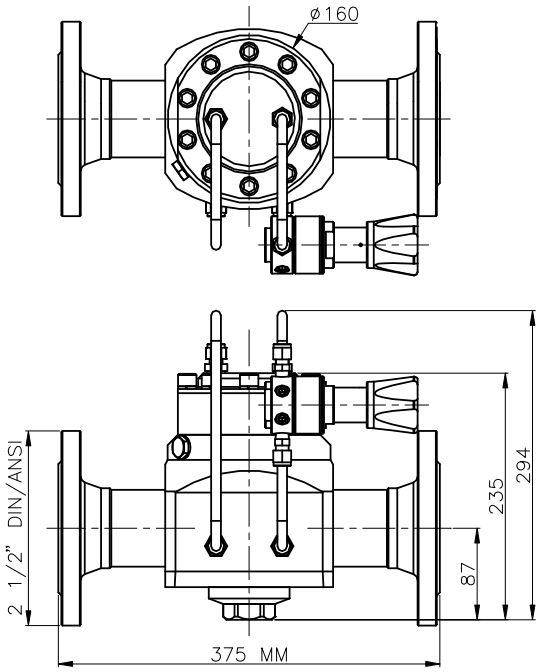
2½" PILOT-OPERATED PRESSURE REGULATOR RD(H)F25

2- PATH CONTROL

MAIN FEATURES

- **ss 316L**
- **balanced valve**
- **integral pilot regulator**
- **2-path control**
- **diaphragm sensing**
- **Cv 21**
- **bubble tight shut-off**
- **large dome for improved stability**
- **shell design according to EN 12516**
- **delivery according to PED**



CHARACTERISTICS

Inlet pressure:	: RDF25	: 70 bar
	: RDHF25	: 280 bar
Outlet ranges:	: RDF25	: 0 - 70 bar
	: RDHF25	: 0 - 200 bar
Ratio dome / outletpressure	: 1:1	
Seat diameter	: 32 mm	
Cv (Kv)	: 21 (18)	
Materials:		
• Body, Dome, Trim	: ss 316L	
• Seat insert	: RDF25: elastomer	
	: RDHF25: pctfe, peek	
• Seals, Diaphragm	: elastomer	
Dependency	: 0,8 % of inlet pressure drop	
Connections:		
• Line	: flanges to DIN/ANSI B16.5	
Weight	: 40 kg (with 2½" 150# flanges)	
Temperature range	: -20°C to + 80°C	

IMPROVED PERFORMANCE

To enhance the performance we advise to use:
- an external feedback (when P2 ≤ 20 bar)

CLEANING

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

INSTALLATION

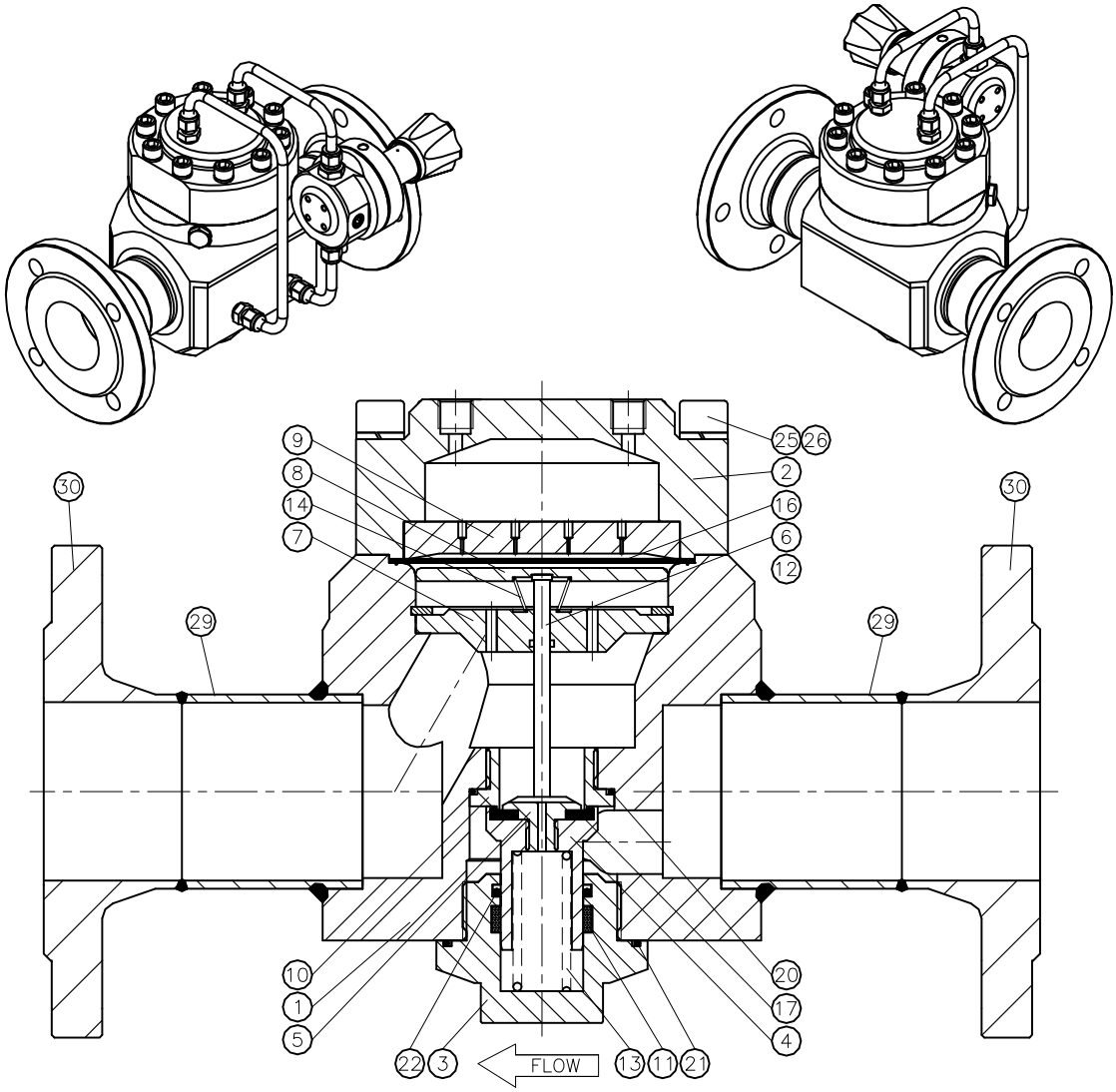
This regulator is always equipped with a pilot regulator.

⚠ **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



GAUGEPORTS

If gauges are required use gaugeport(s) of pilotregulator.

ORDERING INFORMATION

example: **RDFA25A1-02-0NNN-EF**

RD	FA25A	1	- 02	- 0	N	N	N	- EF
series / inlet	connection	flange facing*	material	outlet range	o-rings	diaphragm	seat	options
RD = 70 bar **RDH** = 280 bar	**ansi flanges** **FA25A** = 2½" class 150 **FA25B** = 2½" class 300 **FA25C** = 2½" class 600 **FA25E** = 2½" class 1500 **FA25F** = 2½" class 2500 **din flanges** **FD25M** = DN65 PN16 **FD25N** = DN65 PN40 **FD25P** = DN65 PN64 **FD25R** = DN65 PN250 **FD25S** = DN65 PN400	(if flanges are ordered) **1** = raised face smooth **3** = RTJ	**02** = ss316L	*RD:* **0** = 0 - 3 bar **1** = 0 - 9 bar **2** = 0 - 20 bar **3** = 0 - 70 bar *RDH:* **4** = 0 - 10 bar **5** = 0 - 25 bar **6** = 0 - 100 bar **7** = 0 - 175 bar **8** = 0 - 200 bar	**N** = nitrile **E** = epdm **V** = viton	**N** = nitrile **E** = epdm **V** = viton	*RD:* **N** = nitrile **E** = epdm **V** = viton *RDH:* **K** = pctfe **P** = peek	**EF** = external feedback

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.

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