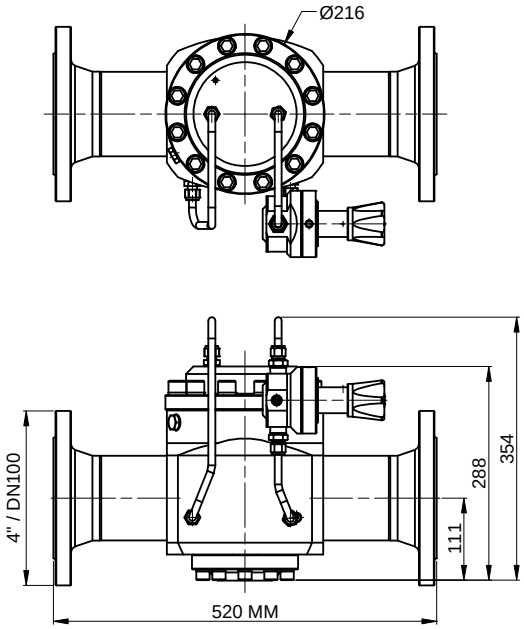
4" PILOT-OPERATED PRESSURE REGULATOR RD(H)F40

2- PATH CONTROL

MAIN FEATURES

- **ss 316L**
- **balanced valve**
- **integral pilot regulator**
- **2-path control**
- **diaphragm sensing**
- **Cv 73**
- **bubble tight shut-off**
- **large dome for improved stability**
- **shell design according to EN 12516**
- **delivery according to PED**



CHARACTERISTICS

Inlet pressure:	: RDF40	: 70 bar
	: RDHF40	: 280 bar
Outlet ranges:	: RDF40	: 0 – 70 bar
	: RDHF40	: 0 – 200 bar
Ratio dome / outletpressure	: 1:1	
Seat diameter	: 60 mm	
Cv (Kv)	: 73 (62)	
Materials:		
• Body, Dome,Trim	: ss 316L	
• Seat insert	: elastomer	
• Seals, Diaphragm	: elastomer	
Connections:		
• Line	: flanges to DIN / ANSI B16.5	
Weight	: 83 kg (with 4" 150# flanges)	
Temperature range	: -20°C to + 80°C	

IMPROVED PERFORMANCE

To reduce droop, we advise to use:

- an external feedback (when P2 ≤ 20 bar)

CLEANING

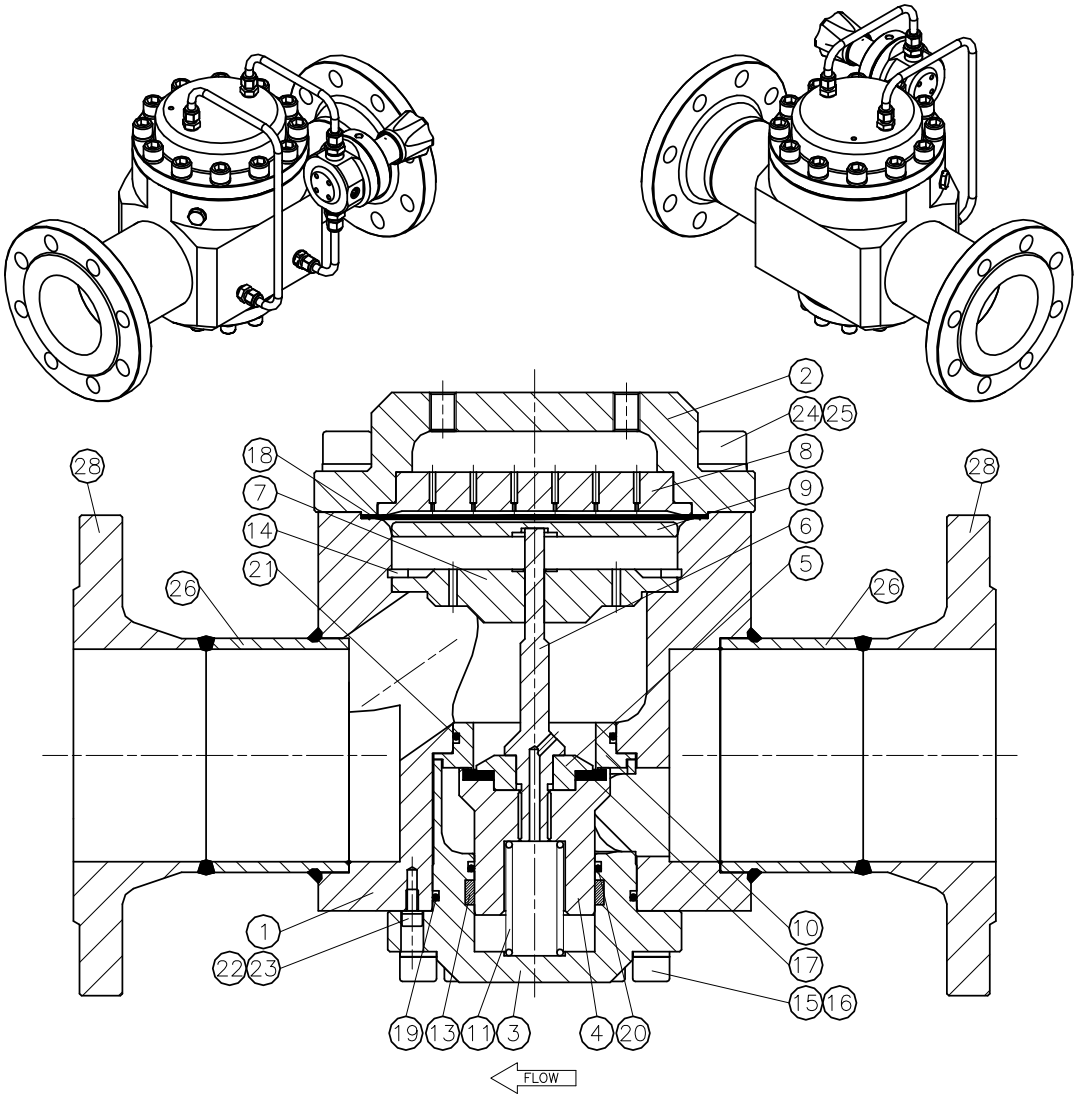
This regulator is ultrasonically cleaned and degreased.
Oxygen cleaning based on
ASTM-G93 Level C / CGA 4.1 is optional.

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.**



GAUGEPORTS

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

ORDERING INFORMATION

example: **RDFA40A1-02-3-NNN-EF**

RD	FA40A	1	- 02	- 3	- 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** **FA40A** = 3" class 150 **FA40B** = 3" class 300 **FA40C** = 3" class 600 **FA40E** = 3" class 1500 **FA40F** = 3" class 2500 **din flanges** **FD40M** = DN100 PN16 **FD40N** = DN100 PN40 **FD40P** = DN100 PN64 **FD40R** = DN100 PN250 **FD40S** = DN100 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:* to be advised	**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.

RHPS, Swagelok—TM Swagelok Company

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