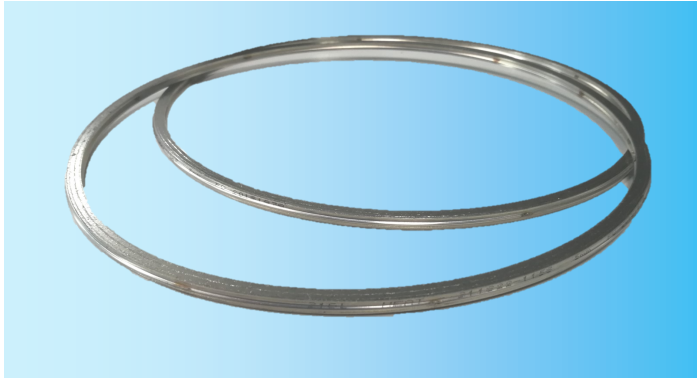


## Scheda prodotto

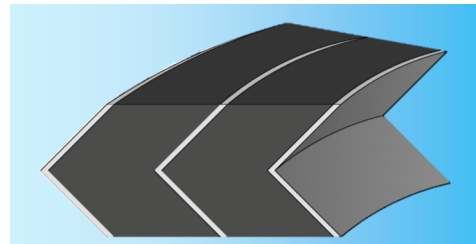
Nr. 244 Rev 1/2018

# SPIRALIT SW FS



### Description:

SPIRALIT SW FS is obtained by a V shaped metallic strip wound together with an expanded flexible graphite filler. The SW design gives to the gasket high mechanic and elasticity properties and keeps the same seating values of the precompressed graphite rings. Compared to the graphite rings used for Valves Fire-safe seals, higher material strength is the main improvement of the SW FS.



### Constant tightening:

$\sigma_{v_u}$	(MPa)	15	
$\sigma_{v_o}$	(MPa)	140	
$\sigma_{b_o}$	(MPa)	at 150°C	140
		at 200°C	140
		at 300°C	120
$\gamma$	(MPa)	15	
$m$		3.0	

### Application:

SPIRALIT SW FS got no mold expenses, fast manufacturing and delivery time. Designed expressly for Valves industries, they are the best alternative to graphite rings. Highly recommended for big diameters.

### Working condition:

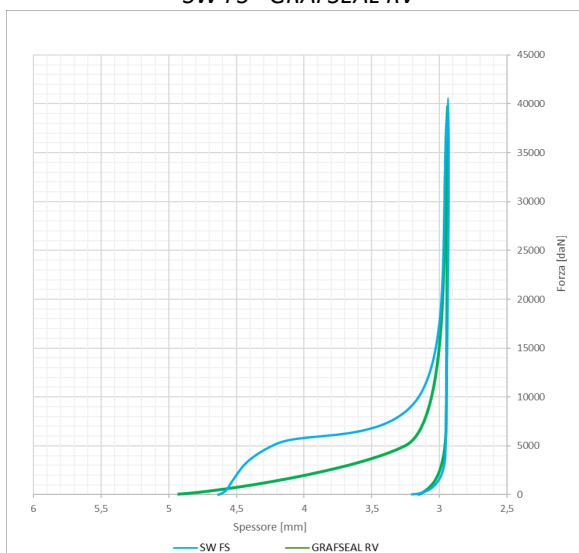
Working pressure:	80	bar
Temperature:		
Min temperature:	-200	°C
Working in continuous with oxidizing atmosphere:	450	°C
Working in continuous with inert atmosphere:	650	°C

*Is not advised the use in the maximum temperature and at the same time with the maximum pressure.*

### Graphite chemical composition:

Element	Referring to	Value	UM
Carbon content	ASTM C571	≥ 99	%
Ashes content	ASTM C571	< 1	%
Chloride content	ASTM F1277	< 50	p.p.m.
Fluoride content	ASTM F1277	< 40	p.p.m.

**LOAD DEFLECTION CURVE**  
SW FS - GRAFSEAL RV



### Supply data:

Standard thickness:

3.2 ; 4.5 ; 7.2  
(other on request)

Since all properties, specifications and application parameters shown throughout this catalogue are approximate and may be mutually influenced, your specific application should not be undertaken without independent study and evaluation for suitability. All technical data and advice given is based on experiences Spiralit has made so far. Failure to select proper sealing products can result in damage and/or personal injury. Properties, specifications and application parameters are subject to change without notice. Spiralit does not undertake any liability of any kind whatsoever.

SPIRALIT SRL – Via Molise, 30 – 20085 Locate di Triulzi, Milano – Tel. +39 02904817.1 – Fax +39 02904817.220 E-mail: [spiralit@spiralit.it](mailto:spiralit@spiralit.it) – <http://www.spiralit.it>