



# SELCO SEAL® GASKETS

## SERVICING THE WORLD

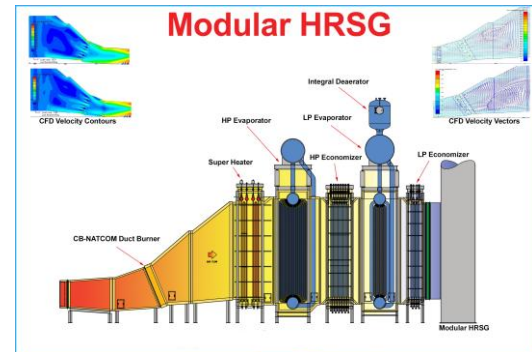
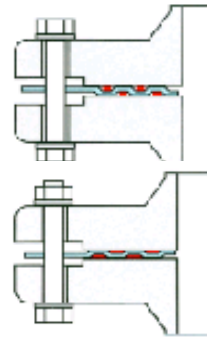


### Technical Data Summary

The Drum MANWAY offers Heat Recovery Steam Generators (HRSGs) the advantages of lower gasket seating load, the ability to be used in a wide range of surface finishes and operating pressures, and a gasket which is designed to stay in place during closing. Eliminate problems with leakage, gasket surface damage, gasket blow out, damage to other equipment and/or personnel.

The most important feature of the gasket is the high unit load generated by the narrow sealing area provides a considerably higher flange clamping pressure and a better seal at a lower clamping force.

The standard gasket material is **304 SS**, with two (2) tracks of **Flexible Graphite** sealing elements. Specialty gasket material and/or sealing elements are available as options.



### Key Benefits

- Ability to cope against severe thermal cycling and vibration.
- Inherent Live Loading capability.
- Fire, Blow Out and Leak proof.
- Superior pressure handling.
- Ease of installation.
- Lower seating load.
- Cannot be over compressed.
- No need to re-torque.
- Eliminates fugitive emissions.
- ANSI, DIN and JIS sizes available.

METAL CARRIER	MM
Carbon Steel	32
MONEL®	33
INCONEL®	34
Copper	35
AL6XN® (Stainless Steel)	36
304 Stainless Steel	37
316 Stainless Steel	38
321 Stainless Steel	39
347 Stainless Steel	31
HASTELLOY®	3H
Nickel	9N
Titanium	3T

SEALING ELEMENT (per track)	S
Flexible Graphite	1
PTFE	2
Fiberfrax	3
MICA	4

TECHNICAL DATA	Cross Section			
	ID x ID	1.0"	0.81"	1.125"
<b>Sizes:</b>	12 x 16	SC-23385	SC-21852	SC-22298
<i>Custom sizes are available. Please call for details.</i>	14 x 18	SC-22855	SC-21123	SC-20455
	16 x 18	SC-23602	---	---
	18 x 24	SC-23198-1	---	---
	20 x 24	SC-23199	---	---
	22 x 26	SC-23267	---	---
<b>Thickness:</b>	<b>1/16"</b> (1.6mm)			
<b>Torque Values:</b>	50% to 65% of Bolt Yield			
<b>Flange Surface Finish:</b>	10 to 400 µin RMS (microinches)			
<b>Sealing elements width:</b>	0.125" each side.			
<b>Minimal sealing element web width:</b>	0.375"			
<b>"M" and "Y" values:</b>	<b>m = 2.85, Y = 2900 psi</b>			
<b>Leak Rate:</b>	0.005 in mg/m · s (DIN 28090 / 1..2) < 10ppm @ He			
<b>Temperature Range:</b>	-200°C cryogenic air +500°C in regular atmosphere +650°C in steam +1000°C reducing or inert media			
<b>Pressure Range:</b>	Full vacuum to +5000 psi			
<b>Minimum seating stress:</b>	2900 psi (20 MPa)			
<b>Maximum seating stress:</b>	23,200 psi (160 MPa) (testing equipment limit)			
<b>Recommended seating stress:</b>	5800 to 8700 psi (40 to 60 MPa)			
<b>Standards Available:</b>	ANSI 16.5, DIN 2600 & JIS B2220.			

## SEALING CORPORATION

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