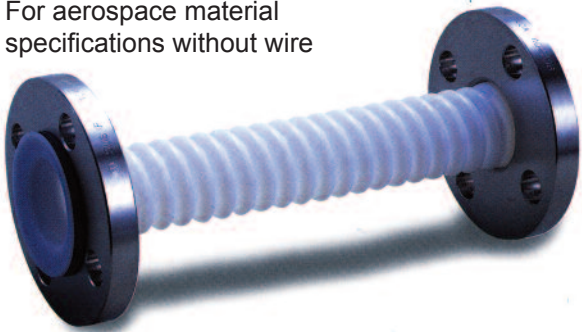


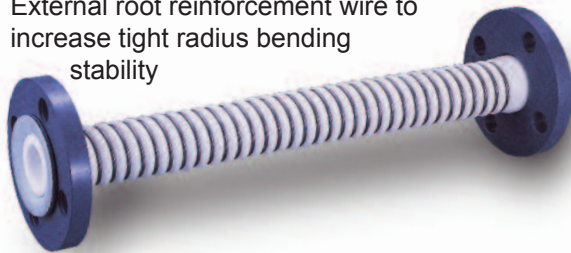
## 559T

For aerospace material specifications without wire



## 559TW

External root reinforcement wire to increase tight radius bending stability



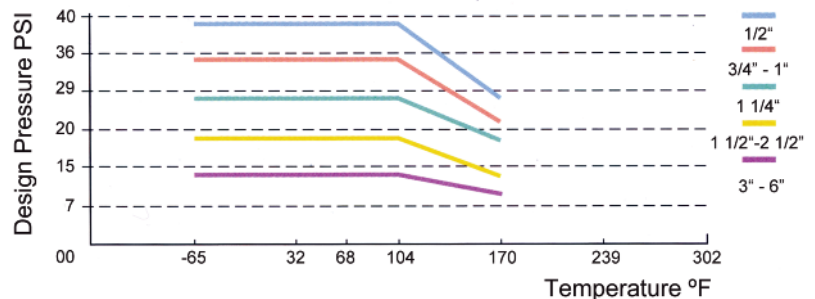
## Thorburn's 559T TEF-FLEX Advantages

- Unmatched corrosive resistant capabilities
- Non-stick, self cleaning & low coefficient of friction
- Meets Pharmacopoeia Class VI & 3A standards
- Ultra flexible & resistant to temperature fluctuations
- Properties do not change over time
- Made of pure PTFE material with no pigments

## 559T/559TW TEF-FLEX Hose Assemblies

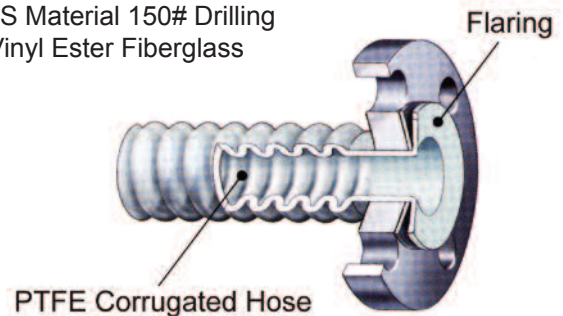
Thorburn's 559T Hose Assemblies offers the flexibility and universal corrosion resistance of PTFE. Thorburn's 559T are used as a flexible element to transfer corrosive media in process reactors and vessels. It is available with external root wire made of 316SS material to increase tight radius bending stability (559TW).

### Temperature/ Pressure De-rating Factor



### Vanstone Floating Flanges

Providing only PTFE contact with media.  
Standard flanges 316SS Material 150# Drilling  
Also available in type Vinyl Ester Fiberglass (VEF) composite.



Available with Polypropylene, Kynar and SS304 Braid for higher pressure applications. CRN Available upon request

MODEL NUMBER	NOMINAL ID		STANDARD FLAT END DIMENSION			WORKING PRESS (AMBIENT)*		MIN BEND	WEIGHT	MAX LENGTH	
	A (mm)	B (In)	ID (mm)	OD (mm)	WALL THICKNESS (mm)	PSI	MPa	mm	kg/mm	m	in
559T(W)-08	15	1/2	15	23	1.5	40	0.29	45	0.30	3.4	136
559T(W)-12	20	3/4	19	31	1.5	35	0.24	55	0.30	3.4	136
559T(W)-16	25	1	25	36	1.5	35	0.24	60	0.40	3.4	136
559T(W)-20	32	1 1/4	30	42	1.5	28	0.19	75	0.50	3.4	136
559T(W)-24	40	1 1/2	38	53	2.0	20	0.14	80	1.00	3.4	136
559T(W)-32	50	2	50	64	2.0	20	0.14	130	1.10	3.4	136
559T(W)-40	65	2 1/2	65	81	2.0	20	0.14	215	1.10	3.4	136
559T(W)-48	80	3	75	93	2.0	13	0.09	240	1.50	2.9	116
559T(W)-64	100	4	86	106	2.0	13	0.09	300	1.70	2.9	116
559T(W)-80	125	5	110	133	2.5	13	0.09	350	4.10	2.4	96
559T(W)-96	150	6	127	156	2.5	13	0.09	400	4.50	2.4	96

\* Note: Add "W" to part number for 316SS external root wire - example:559TW-10

\* Note: Minimum burst pressure 4X working pressure

## How to Order Thorburn 559T/559TW TEF-FLEX Hose Assemblies

Thorburn Part Number-Length (face to face inches)

### 559T-32-80

(2 inch X 80 inch assembly C/W 316SS floating 150# drilled flanges)

### 559TW-32-80-VEF

(2 inch X 80 inch assembly with external root wire in 316SS material C/W 150# drilled vinyl ester fiberglass composite flanges)



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