



NT71 Quick Couplings

**Serving The Nuclear Industry**

Canada   
[www.thorburnflex.com](http://www.thorburnflex.com)

## High Quality Custom Flexible Piping Systems

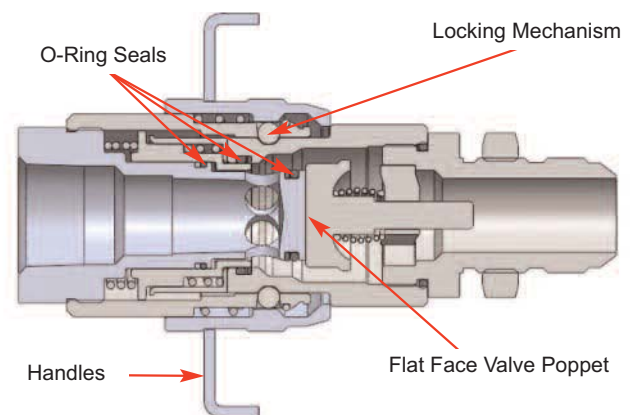
Thorburn Flex Inc is a proven industry leader in the cost effective design, development, manufacturing and supply of ultra-high quality custom flexible piping systems. Thorburn Flex Inc is committed to a policy of continuous development and research to provide flexible piping products that set the industry standard for quality, safety, durability and ease of handling.



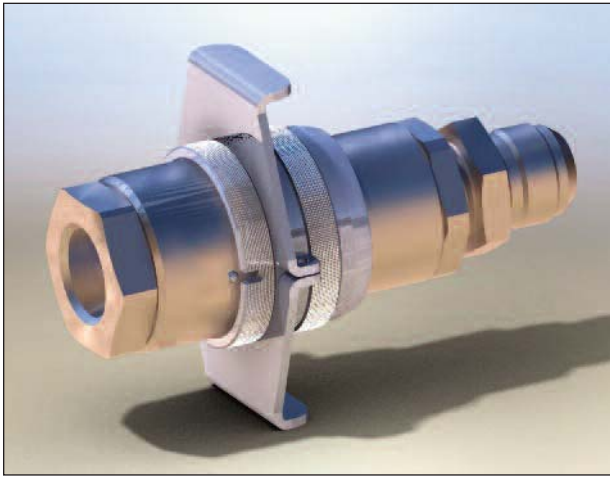
## NT71 Dry Break Quick Coupling System

### Product Description:

- Minimum Air inclusion and Fluid loss during disconnection
- Easy operation, low pressure connections
- Superior flow and reduced pressure drop
- Standard material: 316 SS, Sizes: from 1/4" to 2"
- Plug body made of SA564 Gr.630 Hardened Material
- Simple Maintenance & Spare part availability
- Special seals available for difficult media
- Design pressures for 1" size 3,000 PSI (184 BAR)
- CRN ASME Section III Sub Section ND Class 3  
NFH-3-4284.5 (Coupler) NFH-3-4283.5 (Plug)

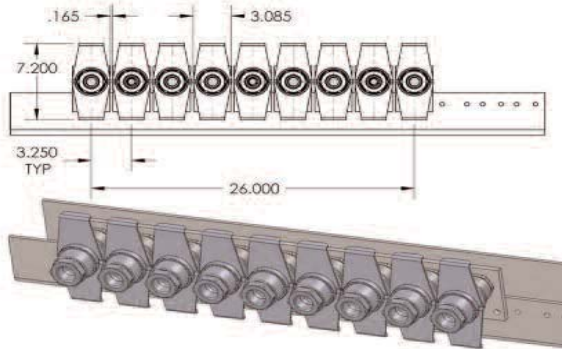


## NT71 Series Technical Data

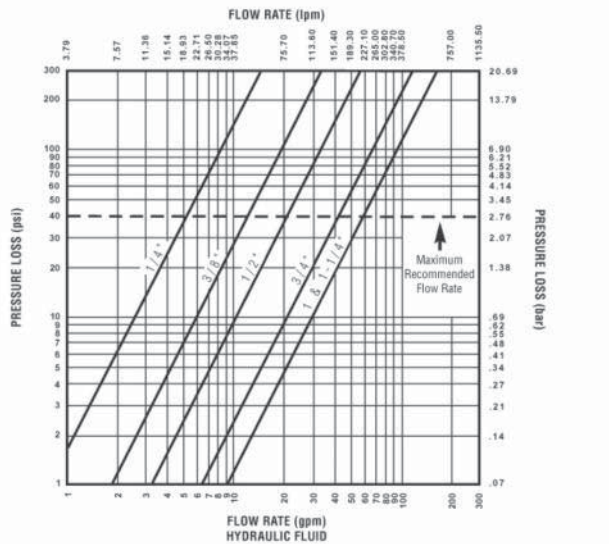


NT71 adaptable handle system to ease connecting/disconnecting

### NT71 Manifold Support System



### Flow Rate - Pressure Loss Chart



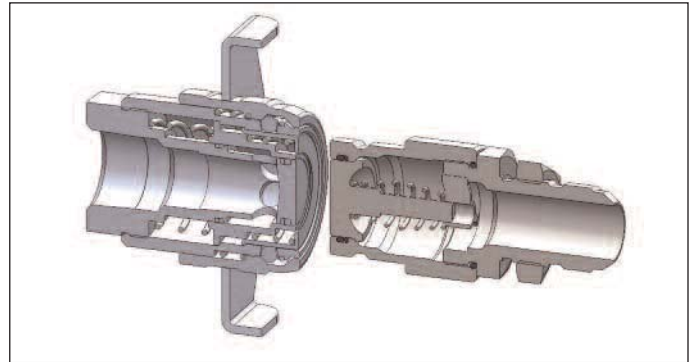
### PRESSURE RATINGS - 316 STAINLESS STEEL

SIZE (INCHES)	SPILLAGE (CC)	AIR INCLUSION (CC)	DESIGN PRESSURE		MIN BURST	
			PSI	BAR	PSI	BAR
1/4	.02	.01	3,000	207	20,000	1379
3/8	.02	.02	3,000	207	20,000	1379
1/2	.03	.03	3,000	207	20,000	1379
3/4	.06	.04	3,000	207	15,000	1034
1	.10	.06	3,000	207	15,000	1034
1 1/4	.10	.06	2,500	172	15,000	1034
1 1/2	5.25	30.5	2,500	172	10,000	689
2	5.25	30.5	2,500	172	10,000	689

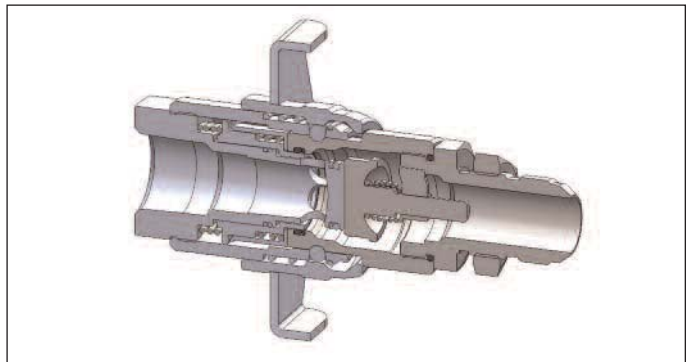
### Thorburn Flex NT71 Series Wiggins Comparison

SPECIFICATION	GE SPECIFICATION No: 38-35230-C-007-001	THORBURN 1" (25mm)	WIGGINS 1" (25mm)
DESIGN PRESSURE	2,100	2,947	1,282
MIN BURST PRESSURE	14,250	20,000	8,700
SPILLAGE (ml)	10	.01	15
PRESSURE DROP	N/A	8 psi@ 29 gpm	8 psi@ 29 gpm

### No Spill Connection or Disconnection



Disconnected



Connected

**THORBURN FLEX - Canada**  
165 Oneida, Pointe-Claire, Quebec  
Canada, H9R 1A9  
Tel: +1-514-695-8710  
Fax: +1-514-695-1321

sales@thorburnflex.com

1-800-363-6613  
(Toll Free North America)



European  
Conformaty



ISO  
9001:2015



B31.1,  
B31.3



ASME "NPT"  
Sec. III Class 1



ASME "U"  
Sec. VIII Div. 1



N285.0, B51  
CGA CR96-001



97/23/EC  
Module H



UL  
536

ISIR Romania | CNCAN Romania | EN 13480-2002 | HAF 604 China | TSG China

(CRN for all Canadian provinces)



*Over 50 years of flexible piping experience  
waiting to serve you...*