

**T** **RUELINE**<sup>®</sup>  
**DISTRIBUTION**

# Introducing Slurryfly valve

... a butterfly valve for slurry applications



## MAIN FEATURES:

- Resilient seated Butterfly valve for slurries.
- HT-1600<sup>®</sup> infusion disc is the "hardest" wearing in the industry.
- Up to 250 PSI service.
- Meets industry standard for face to face dimensions.
- ISO 5211 actuator top plate.
- Optional actuation.

## Introducing Slurryfly Valve

The most cost effective valve design for slurry services is a resilient seated butterfly. For years manufacturers have been offering soft rubber coated discs that hoped to absorb the erosive nature of suspended solids. The weak link has always been the disc, which is constantly in the flow stream. The disc edge is eroded by the flow stream which cuts into the seat on every cycle. It's no surprise that leakage across the seat happens all too quickly. Yes, the seat is replaceable for a small price. However, the downtime cost can far outweigh the repair cost. What you need is an inexpensive solution that lasts longer.

Technology has made some significant strides in recent years. When it comes to valves, Trueline leads the parade for metals treatments designed for slurry services. Armed with years of innovative designs within the high performance knife gate industry, we now bring you the Slurryfly. In plain terms, we are able to offer you a disc so tough you need diamond tooling to drill or machine it.

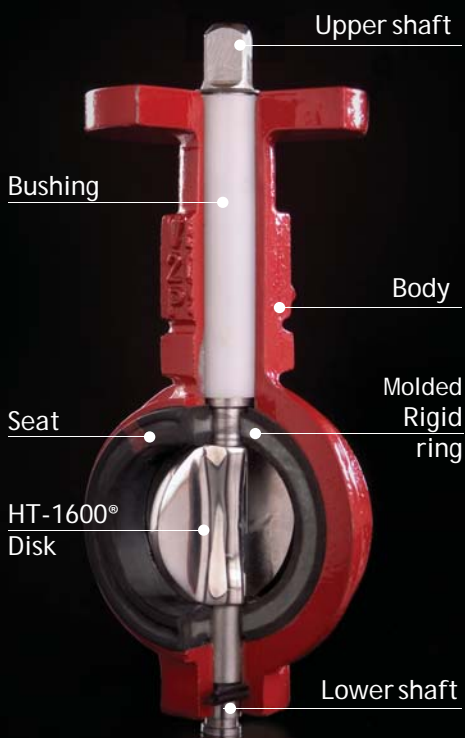
## What's different with the Slurryfly Valve?

New technology that will work harder for you.

The toughest disc on the market.

The valve disc is treated with **HT-1600<sup>®</sup>**. This robust infusion resets the clock on metal treatments previously available in the industry. The hardness value obtained by the treatment is above 1600 knoops, which is beyond the Rockwell C scale range. Our unique infusion process is neither a plating nor a coating. The infusion **HT-1600<sup>®</sup>** brings a corrosion resistance exceeding 316 stainless steel. The metallurgy involved is state of the art and would make your head spin to explain the process. The important thing to remember is our disc's are going to last longer than any other discs on the market. That's a bold statement and we're prepared to prove it. If you've an application for slurry services as listed below, please contact us.

- Ash handling
- Tailings
- Cement
- Waste transfer
- Reject lines

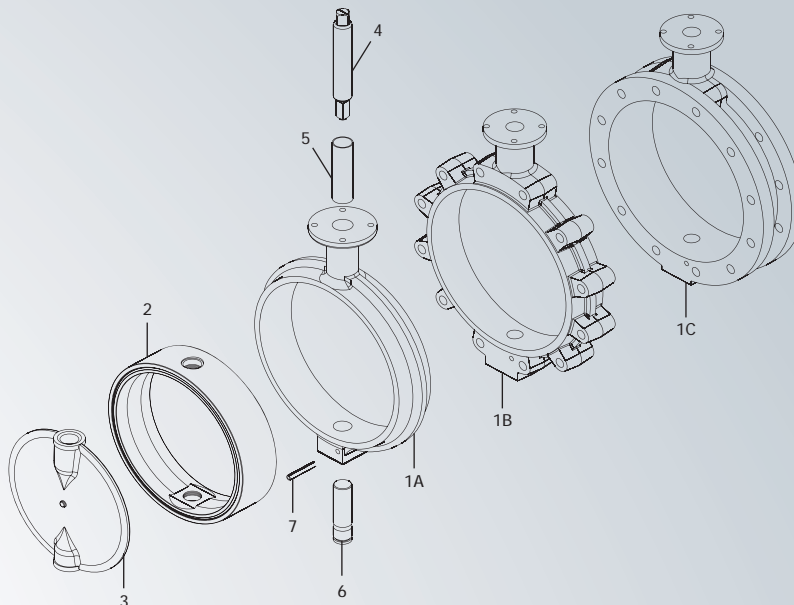


# Approximate Weight Table

DN Valve	TABLE OF WEIGHTS (kg)									
	2"	2.1/2"	3"	4"	5"	6"	8"	10"	12"	
Wafer	2,5	3,97	4,28	5,2	6,8	8,9	12,8	20,0	33,9	
Lug	3,0	4,5	5,0	7,5	11,0	13,0	18,5	29,0	43,5	
Flanged	-	-	-	-	-	15,8	25,8	37,8	58,6	

## Exploded View Valve

ITEM	DESCRIPTION	
1A	Wafer Body	
1B	Lug Body	
1C	Flanged Body	
2	Seat	
3	Disk c/w HT-1600®	
4	Upper Shaft	ASTM A 276 Type 410
5	Bushing*	As per application
6	Lower Shaft	ASTM A 276 Type 410
7	Elastic pin	Spring Steel

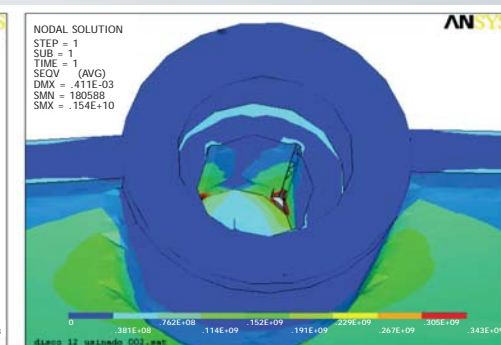
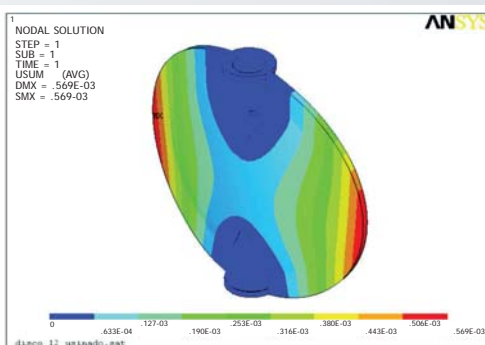
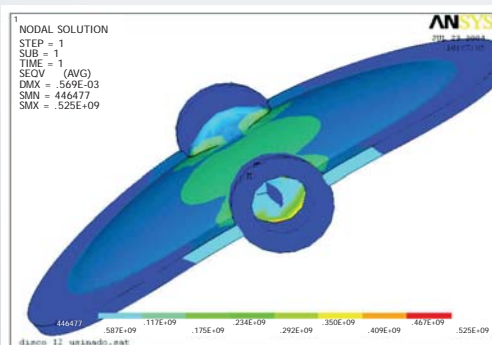


\* Available in metal with HT-65®, TH-66® or PEEK

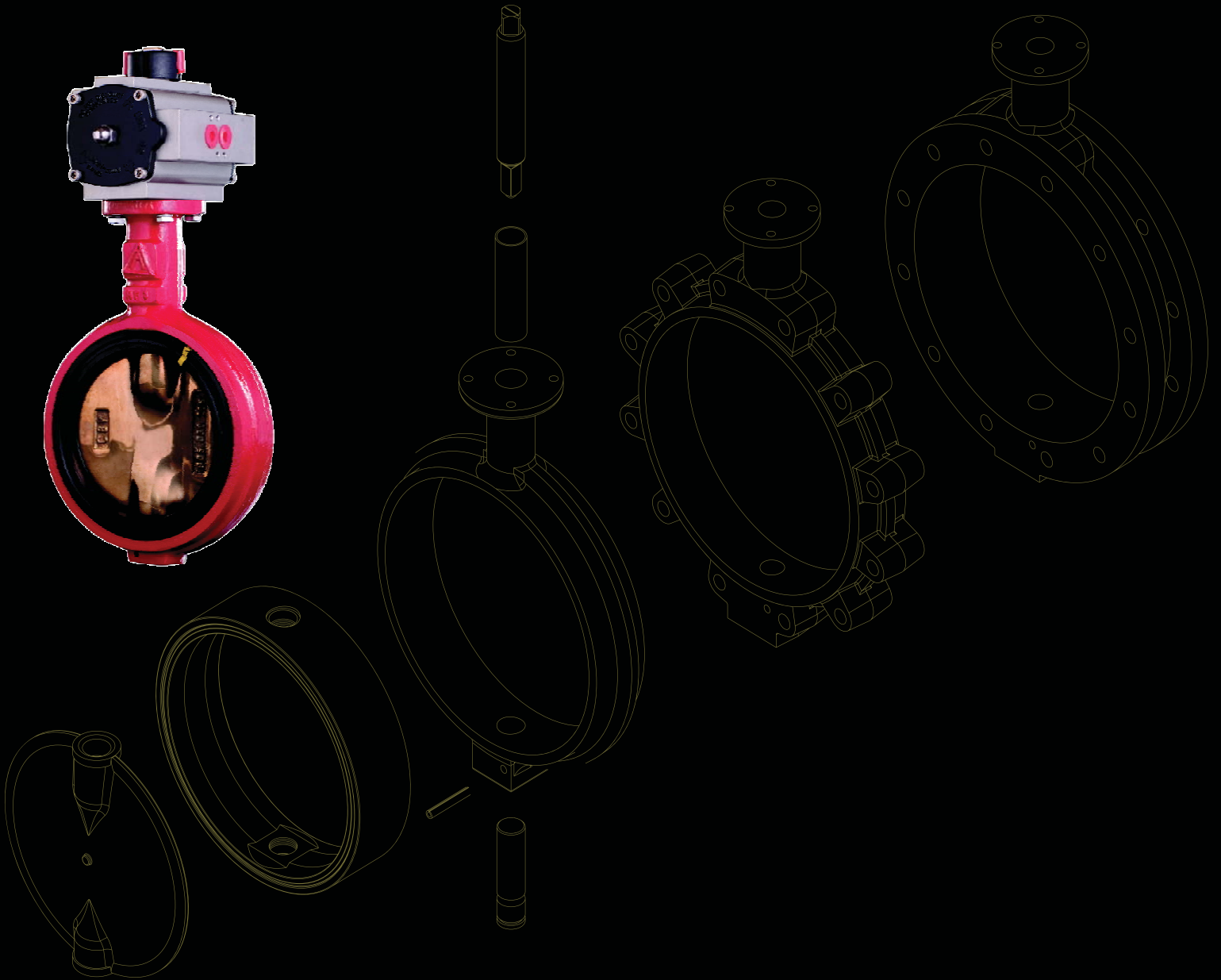
## Materials Selection

MODEL	WORK PRESSURE	DIAM. NOM.	MATERIAL OF BODY	MATERIAL OF THE DISK	MATERIAL OF THE SEAT	CONSTRUCTION	DRILLING	DRIVING
NE	1 -50 psi	1 - 2"	0 - Special	0 - Special	0 - Special	1 - Wafer	0 - Special	0 - Special
	2 -150 psi	2 - 2½"	1 - Ductile Iron ASTM A-536 65-45-12	1 - Ductile Iron ASTM A-536-65-45-12 c/w HT-1600®	1 - EPDM	2 - Lug	1 - ASME ANSI 150	1 - Bare Stem
	3 -250 psi	3 - 3"		2 - Stainless Steel ASTM ASTM A-351 CF8-M c/w HT-1600®		3 - Flanged	2 - DIN EN 1092-1 PN10/PN16	2 - Gear Box
	4 - 4"	5 - 5"		3 - Pneumatic Actuator				
	6 - 6"	7 - 8"		4 - Hydraulic Actuator				
	8 - 10"	8 - 10"		5 - Electric Actuator				
	9 - 12"	7 - 8"		6 - Lever Of 7 Positions				
		8 - 10"		7 - Driving For Float				
		9 - 12"		8 - Extension Of The Stem				

## Finite Elements Analysis







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