



## Flowrox CF-S Centrifugal Pump

### The Smart Alternative

Flowrox CF-S is a centrifugal pump designed for the continuous pumping of extremely abrasive and corrosive slurries. Wear-resistant components are made to withstand heavy-duty conditions.

Flowrox Digital Services are a new way to combine your flow control products and Industrial Internet of Things (IIoT). They increase your productivity through optimization and online predictability.

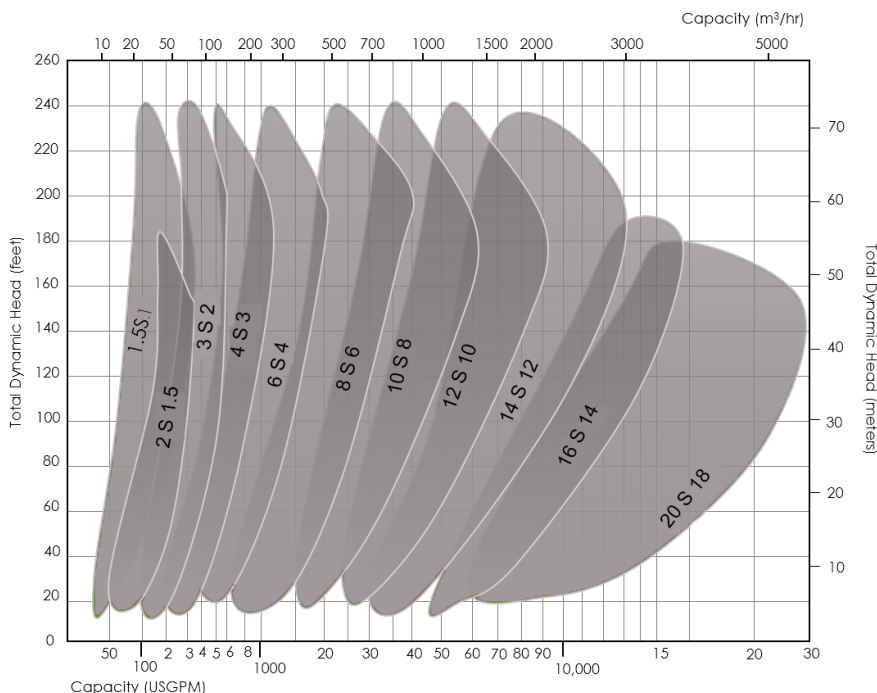
The pump handles lower flows 10.13 gpm through excess of 22 000 gpm. A single Flowrox CF-S centrifugal pump can reach heads higher than 249.3 ft and has a good ratio between efficiency and wear. The construction of the Flowrox CF-S pump is based on split-case and it includes a range of liner material options for optimal performance.



Flowrox CF-S centrifugal pump is fit for various pumping applications of corrosive and abrasive slurries.

### Basic Selection

Flowrox CF-S centrifugal pump hydraulic coverage. All models are available with elastomer and chrome alloy impellers.



Maximum working pressure: Elastomer - 170 psi (1172 kPa). Chrome iron - 300 psi (2068 kPa)

### Design features

Heavy-duty construction



Wide range of material options



Interchangeable metal and moulded elastomer wear parts



Split case design for ease of maintenance



Reduced shaft deflection, increased packing life

## Material Selection

	Liners	Impellers	Expeller	Stuffing Box Expeller Ring	Shaft Sleeve	Seals	Casing	Base
<b>Standard</b>	Chrome Alloy* Natural Rubber	Chrome Alloy* Natural Rubber	Chrome Alloy*	Chrome Alloy*	420C SS	Rubber Nitrile	Ductile Iron	Ductile Iron
<b>Options</b>	Other Alloys Neoprene Butyl EPDM Hypalon Nitrile	Other Alloys Neoprene Butyl EPDM Hypalon Nitrile	Ductile Iron	Natural Rubber Ductile Iron Ferralium 316 SS	304 SS/316 SS NCB-316 SS Hastelloy C Hard Coatings			

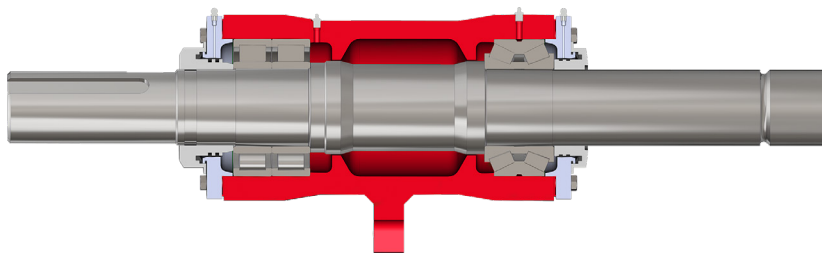
\*Standard Chrome Alloy: ASTM A532 Class III Type A - 27% Cr, 650BHN; Alternatives available for highly corrosive services.

## Flowrox CF-S Centrifugal Pumps

Base Model	Bearing Assembly	Nominal Suction x Discharge inches (mm)	Nominal Impeller* Diameter (inches)	Solid Sphere Passing, Ø* (inches)	Impeller* Materials	Liner Materials
1.5S1	B	1.5x1 (40x25)	5.98	.55	Chrome Iron(s) and Elastomer(s) Available NOTE: Open face, large particle and specialized impellers available upon request	Chrome Iron(s) and Elastomer(s) Available
2S1.5	B	2x1.5 (50x40)	7.24	.75		
3S2	C	3x2 (75x50)	8.43	.98		
4S3	C, D	4x3 (100x75)	9.65	1.42		
6S4	D, E	6x4 (150x100)	14.37	2		
8S6	E, F	8x6 (200x150)	20.08	2.48		
10S8	F, S	10x8 (250x200)	27.01	2.99		
12S10	S, G	12x10 (300x250)	30	3.39		
14S12	S, G, T	14x12 (350x300)	37.99	3.54		
16S14	G, T	16x14 (400x350)	42.01	5.31		
20S18	T	20x18 (500x450)	53.94	5.12	Chrome Iron	

\*Standard impeller (typically five vane, chrome iron, closed face)

## Bearing Assembly Ratings



Grease-lubricated cartridge bearing assembly. Extended bearing life with oversized shaft diameters and bearings. Highest quality name brand tapered-roller and roller bearings. Safe and simple single-point impeller adjustment to maintain peak efficiency.

Type	Standard (HP)	High Capacity (kW)
B	20	N/A
C	40	74
D	80	148
E	161	302
R	402	N/A
F	349	570
S	751	N/A
G	805	1207
T	1609	N/A



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