

## Technical Overview

# Fyrtex 3

Fyrtex 3 uses two or three tungsten carbide wear parts. These include an orifice disc, a swirl chamber without end plate, and optionally a separate square end plate. The wear parts are identical to those of Fyrtex 1 and fully interchangeable. The only difference is the shape of the end plate: square instead of round. Fyrtex 3 is available in multiple configurations and materials. Most types are in stock for fast replacement.



### Technical Specifications

Construction	Body, Adapter, Orifice Disc, Swirl Chamber, Gasket, Seal and optional Square End Plate
Max. Operation Pressure	345 bar (5000 PSI) variants capable of handling higher pressure
Max. Temperature	150°C (polymer seals)
Tool-free installation	Hand-tight assembly without the need for tools, making maintenance quick and easy
Compatibility	Shares all tungsten carbide wear components with Fyrtex 1 (except end plate shape)
Configuration	Separate swirl chamber and end plate, or combined swirl chambers
Applications	Milk and dairy powders, instant beverages, enzymes, food additives, chemicals and more

### Swirl Chamber Chart: Without Endplate

Part no.	Description
SB	Fyrtex Swirl Chamber SB / P2 without endplate
SC	Fyrtex Swirl Chamber SC / P3 without endplate
SD	Fyrtex Swirl Chamber SD / P4 without endplate
SE	Fyrtex Swirl Chamber SE / P5 without endplate
SF	Fyrtex Swirl Chamber SF / P6 without endplate
SG	Fyrtex Swirl Chamber SG / P7 without endplate
SH	Fyrtex Swirl Chamber SH / P8 without endplate

*\*All parts are made from durable tungsten carbide*



### Swirl Chamber Chart: Combined

Part no.	Description
TCSA	Fyrtex Swirl Chamber combined TCSA / P1
TCSB	Fyrtex Swirl Chamber combined TCSB / P2
TCSC	Fyrtex Swirl Chamber combined TCSC / P3
TCSD	Fyrtex Swirl Chamber combined TCSD / P4
TCSE	Fyrtex Swirl Chamber combined TCSE / P5
TCSF	Fyrtex Swirl Chamber combined TCSF / P6
TCSG	Fyrtex Swirl Chamber combined TCSG / P7
TCSH	Fyrtex Swirl Chamber combined TCSH / P8
TCSE	Fyrtex Swirl Chamber combined TCSE / P5
TCSI	Fyrtex Swirl Chamber combined TCSI / P9
TCSJ	Fyrtex Swirl Chamber combined TCSJ / P10
TCSK	Fyrtex Swirl Chamber combined TCSK / P11
TCSM	Fyrtex Swirl Chamber combined TCSM / P13

*\*All parts are made from durable tungsten carbide*



### Fyrtext 3 Assembly Description and Part Numbers

Description	Part Number	Material
(A) Body (original)	W11300000	Stainless steel
(B) O-ring, orifice disc	11269381	Viton, EC/FDA
(C) Fyrtext orifice disc	xxx*	Tungsten carbide
(D) Swirl chamber	See swirl chamber chart	Tungsten carbide
(E) Fyrtext square endplate	ENDSQ	Tungsten carbide
(F) O-Ring	12193517	Viton, EC/FDA
(G) 1/4 Adapter BSPT (Original)	W113011339	Stainless steel
(G) 3/8 Adapter BSPT (Original)	W113012337	Stainless steel
(G) 1/2 Adapter BSPT (Original)	W113013335	Stainless steel
(G) 3/4 Adapter BSPT (Original)	W113014333	Stainless steel
Removal/Assembly tool (Original)	W153070005	Aluminium

\*All sizes available: contact our sales team