



Technical Overview

Fyrtex 1

Fyrtex 1 is designed for high-pressure, abrasive, and high-temperature environments. The main wear parts are orifice discs and swirl chambers. These are easy to replace without tools. Fyrtex 1 is fully compatible with Delavan SDX®. All parts are made from durable tungsten carbide. Most types are available directly from stock.



Technical Specifications

|                         |                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------|
| Construction            | Body, Adapter, Orifice Disc, Swirl Chamber, End Plate (or combined), Gasket, Seal, Screw Pin |
| Max. Operation Pressure | 500 bar / 7250 PSI                                                                           |
| Max. Temperature        | 540°C (metal seals) / 150°C (polymer seals)                                                  |
| Materials               | Tungsten carbide (wear parts), Stainless Steel 316L (housing)                                |
| Compatibility           | Fyrtex 3 components, Delavan SDX®                                                            |
| Configuration           | Swirl Chamber + endplate (separate) or combined                                              |
| Applications            | Milk powder, whey protein, coffee extracts, pharmaceutical APIs, enzymes, 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 |

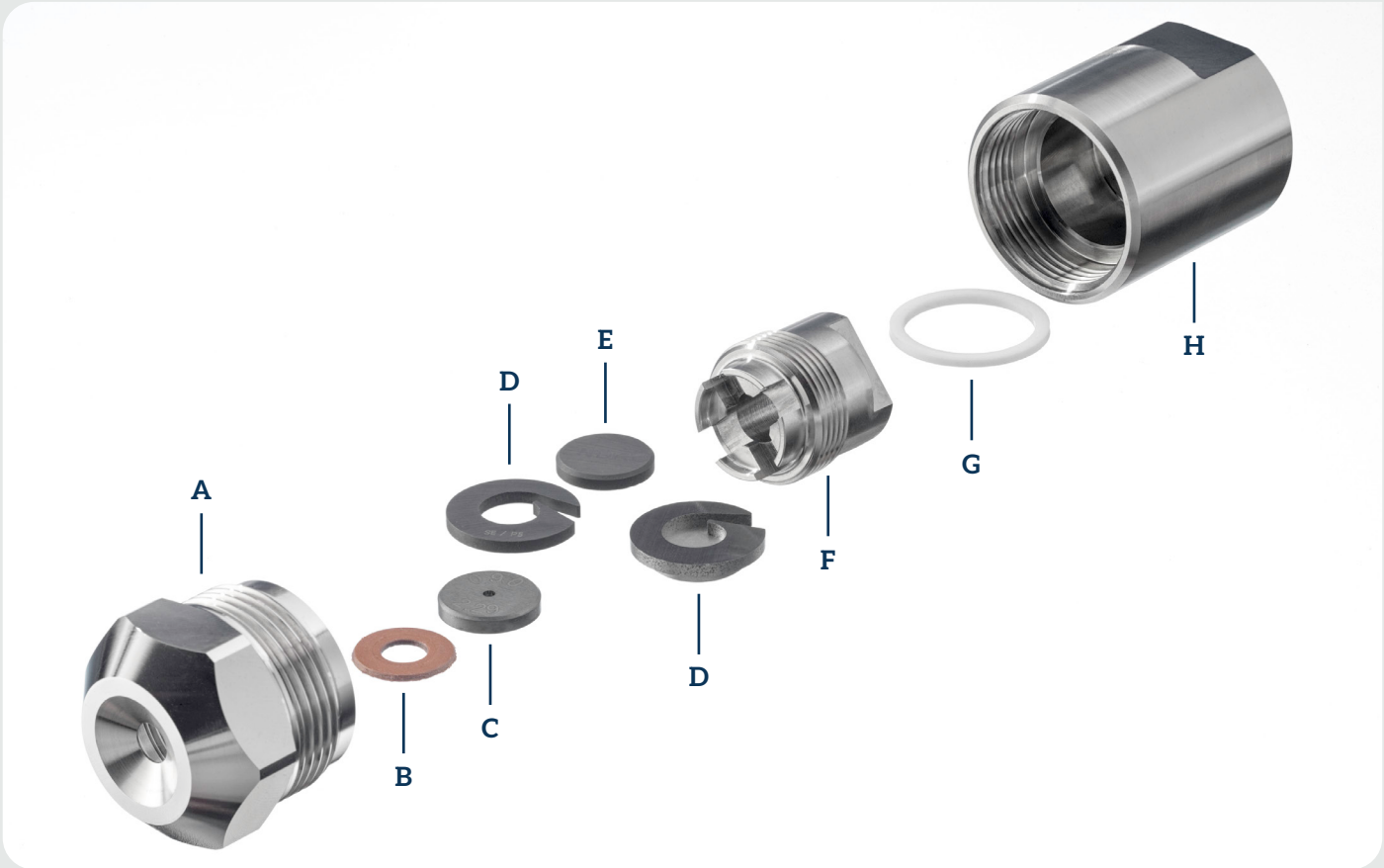
*\*All parts are made from durable tungsten carbide*



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/P5  | Fyrtex Swirl Chamber combined TCSE / P5  |
| TCSE/P6  | Fyrtex Swirl Chamber combined TCSE / P6  |
| TCSE/P7  | Fyrtex Swirl Chamber combined TCSE / P7  |
| TCSE/P8  | Fyrtex Swirl Chamber combined TCSE / P8  |
| TCSE/P9  | Fyrtex Swirl Chamber combined TCSE / P9  |
| TCSE/P10 | Fyrtex Swirl Chamber combined TCSE / P10 |
| TCSE/P11 | Fyrtex Swirl Chamber combined TCSE / P11 |
| TCSE/P12 | Fyrtex Swirl Chamber combined TCSE / P12 |
| TCSE/P13 | Fyrtex Swirl Chamber combined TCSE / P13 |

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



**Fyrtext 1 Assembly Description and Part Numbers**

| Description                     | Part Number             | Material         |
|---------------------------------|-------------------------|------------------|
| (A) Body (original)             | A297760017              | Stainless steel  |
| (B) O-ring, orifice disc        | G00018081               | Gylon            |
| (C) Fyrtext orifice disc        | xxx*                    | Tungsten carbide |
| (D) Swirl chamber               | See swirl chamber chart | Tungsten carbide |
| (E) Fyrtext round endplate      | ENDRO                   | Tungsten carbide |
| (F) Screw pin (Original)        | A297770016              | Stainless steel  |
| (G) O-Ring, Adapter             | G00036291               | Gylon            |
| (H) 1/4 Adapter BSPT (Original) | A297750091              | Stainless steel  |
| (H) 3/8 Adapter BSPT (Original) | A297750117              | Stainless steel  |
| (H) 1/2 Adapter BSPT (Original) | A297750133              | Stainless steel  |
| (H) 3/4 Adapter BSPT (Original) | A297750158              | Stainless steel  |

*\*All sizes available: contact our sales team*