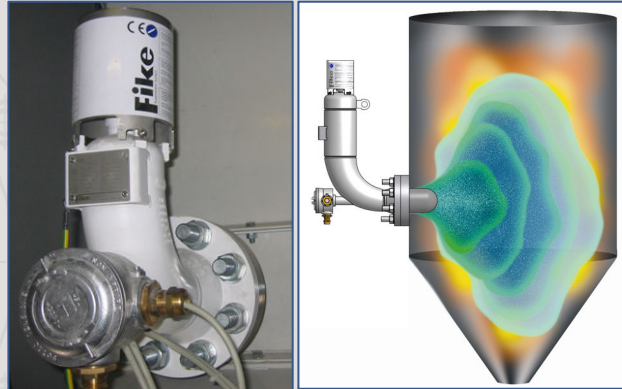


### HRD Suppression container

#### Description

Upon receipt of an activation signal from the Fike EPACO™ explosion protection system, the high rate discharge (HRD) container discharges explosion suppressant powder into the protected volume. The powder chemically extinguishes the combustion reaction preventing pressure increase beyond a predetermined limit.



#### Features and Benefits

- Extremely fast response time
- Very low system maintenance costs
- Virtually maintenance free
- Easy servicing
- Wide selection of HRD containers for protection of large and small volumes
- Wide variety of system components and extinguishing agents

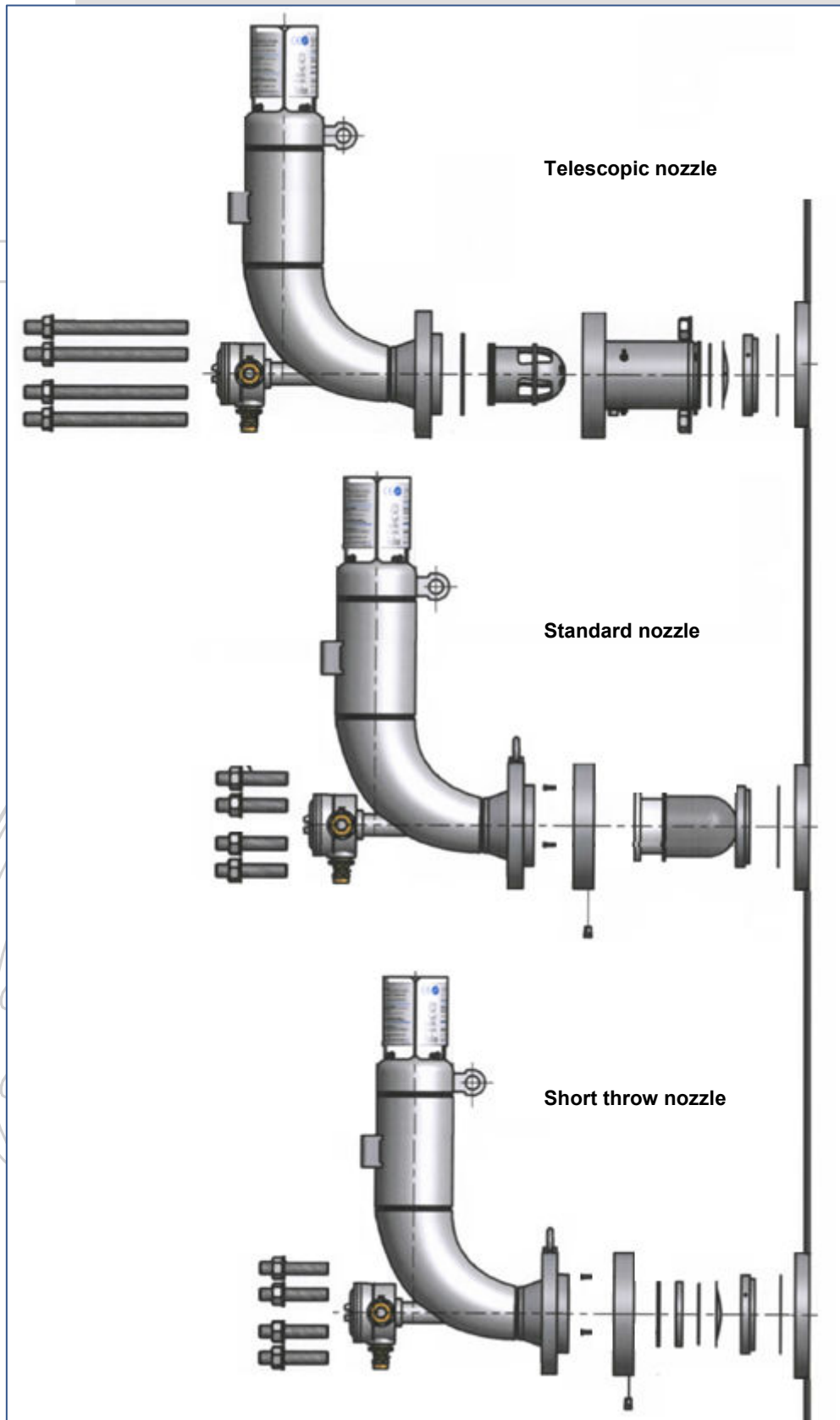
#### Specifications

Type	HRD (high rate discharge suppression container)	
<b>Executions</b>	4": 2.5 L, 5 L, 10 L, 20 L, 30 L	6": 50 L
<b>Spreader types</b>	4": Standard spreader with neoprene cover Telescopic spreader with 1.4401 (316 SST) cover Short throw spreader with 1.4401 (316 SST) cover	P/N 45012500-S P/N 45019500-S P/N 45022831-S
	6": Standard spreader with neoprene cover Telescopic spreader with 1.4401 (316 SST) cover	P/N 45012200-S P/N 45011200-S
<b>Spreader wetted parts</b>	Standard spreader: 1.4404 (316L SST) / neoprene / Silicone Telescopic spreader: 1.4404 (316L SST) / 1.4301 (304 SST) / Silicone Short throw spreader: 1.4404 (316L SST) / 1.4301 (304 SST) / Silicone	
<b>Process connection</b>	Weld-in 1.4404 (316L SST) or CS flange / Weldless 1.4404 (316L SST) flange	
<b>Extinguishing agent</b>	Sodium Bicarbonate (SBC) Dessikarb (Food Grade Quality Sodium Bicarbonate) Mono Ammonium Phosphate (MAP)	
<b>Explosion hazard</b>	Combustible dusts (incl. St 3), gases and hybrid mixtures	
<b>Initiator</b>	Gas cartridge actuator (GCA)	
<b>Maximum operating temperature</b> (1)	120°C (standard spreader) 200°C (telescopic spreader)	
<b>Ambient temperature</b>	-40°C to +55°C	
<b>Fill pressure (N<sub>2</sub>)</b>	62 barg @ 22°C	
<b>Ex marking</b>	ATEX II 2/1 GD EEx d IIC T6 / IP66 T85°C	
<b>Painting specifications</b>	Primer: high build 2-component zinc phosphate primer Finish: white high build 2-component coating	
<b>Material specification</b>	Container: carbon steel Initiator housing: SST Pressure gauge: SST Junction box: Aluminium	

(1) Consult factory for other temperature requirements

#### Accessories

- Low pressure monitoring system
- Mechanical lockout



Telescopic nozzle

Standard nozzle

Short throw nozzle