

## project brief

**TYPE OF FACILITY:**  
Chemical Plant



## TIC Brenntag

■ Rotterdam, The Netherlands

The owners and contractor specified Victaulic grooved products to support the CO<sub>2</sub> piping in this facility's deluge fire protection system.

In the event of fire, the pipes fill with CO<sub>2</sub> at approximately 40 BAR with temperatures that can easily reach minus 30 degrees.

A construction piping study included calculations for contraction within the system and the Victaulic Style 155 standard expansion joint was specified along with Style 77 flexible couplings. This application demonstrates the versatility of Victaulic flexible couplings.

### SPECIFICATIONS:

SERVICES:	PIPE MATERIALS:	PIPE SIZE RANGE:
CO <sub>2</sub>	Carbon steel	2½ – 6"/73,0 – 168,3 mm



WCAS-7BDJSV

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### MARKET:

Fire Protection

### VICTAULIC SOLUTIONS:

Ease and speed of installation  
compressed schedule  
Expansion/contraction

### OWNER:

TIC Brenntag

### CONTRACTOR:

Ajax Fire Protection Solutions  
Aartselaar

### ENGINEER/CONSULTANT:

### COMPLETED DATE:

January 2007

