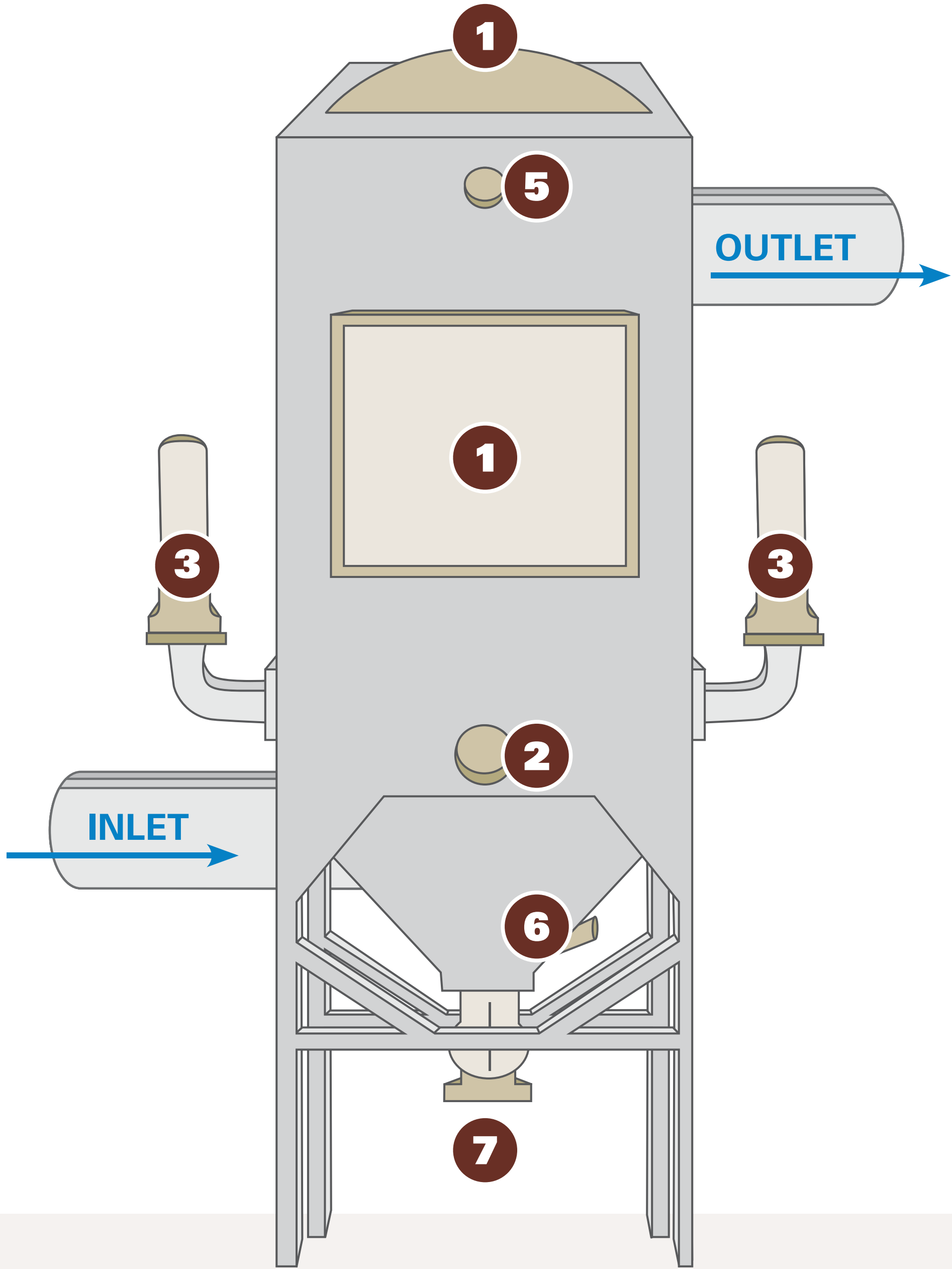


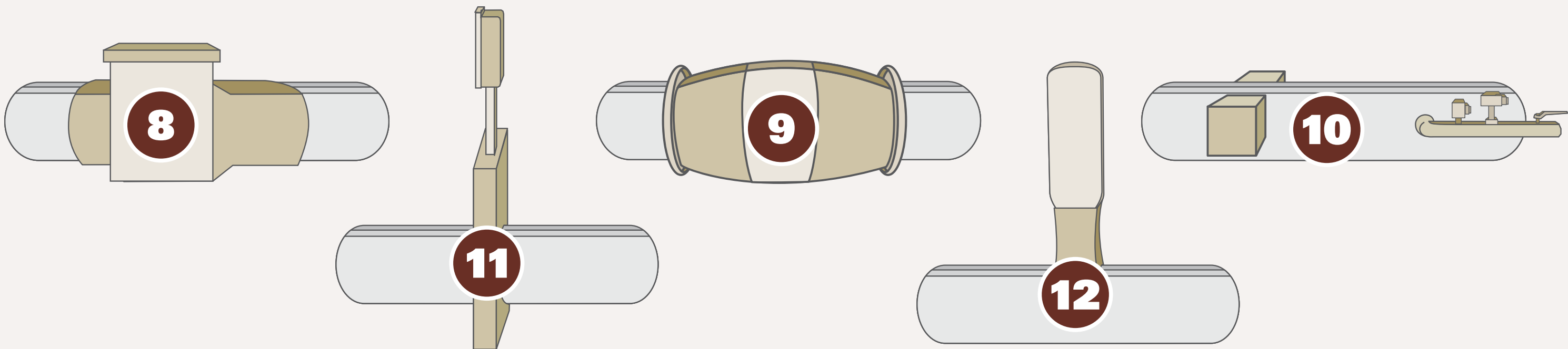
COMBUSTIBLE DUST STRATEGIES

GUIDE TO EXPLOSION/FIRE PROTECTION COMPONENTS FOR DUST COLLECTORS

ITEM #	DESCRIPTION
1	Explosion Relief Panels
2	Detector / Sensor – Chemical or Actuated System Devices
3	Chemical Suppressant Delivery Device
4	Suppression System Control Panel
5	Fire Extinguisher/ Fire Suppression/ Sprinkler Coupling
6	Overflow Drain
7	Rotary Valve/ Airlock
8	Flow Actuated Isolation Valve - Inlet
9	In-line Spark Abatement
10	Spark Detection & Extinguishing System
11	Actuated Knife Gate - Inlet
12	Chemical Isolation Device - Inlet
13	Automatic Fast Acting Abort Gate
14	Actuated Knife Gate - Outlet
15	Flow Actuated Isolation Valve - Outlet
16	Chemical Isolation Device - Outlet



INLET OPTIONS



FIRE PROTECTION

	Fire Extinguisher/ Fire Suppression / Sprinkler Coupling	5		✓
	Overflow Drain	6		✓
	Automatic Fast Acting Abort Gate	13		✓
	In-line Spark Abatement	9		✓
	Spark Detection & Extinguishing System	10		✓

EXPLOSION PROTECTION

MECHANICAL	Explosion Relief Panels	1	✓	
CHEMICAL	Chemical Suppressant Delivery Device	3	✓	
	Suppression System Control Panel	4	✓	
	Detector / Sensor – Chemical or Actuated System Devices	2	✓	

DUST COLLECTOR ISOLATION

INLET

MECHANICAL	Actuated Knife Gate – Inlet	11	✓	
	Flow Actuated Isolation Valve – Inlet	8	✓	
CHEMICAL	Chemical Isolation Device – Inlet	12	✓	
	Suppression System Control Panel	4	✓	
	Detector / Sensor – Chemical or Actuated System Devices	2	✓	

HOPPER

	Rotary Valve/ Airlock	7	✓	✓
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OUTLET (IF AIR IS RETURNED TO THE BUILDING)

MECHANICAL	Actuated Knife Gate – Outlet	14	✓	
	Flow Actuated Isolation Valve – Outlet	15	✓	
CHEMICAL	Chemical Isolation Device – Outlet	16	✓	
	Suppression System Control Panel	4	✓	
	Detector / Sensor – Chemical or Actuated System Devices	2	✓	

OUTLET OPTIONS

