

## FLEXIBLE RIM FIRE SYSTEM (DATA SHEET)

THE COFLEXIP® RIM FIRE PROTECTION SYSTEM REPRESENTS A MORE EFFICIENT WAY TO DELIVER EXPANDED FOAM TO THE SEAL AREA AND TO EXTINGUISH RIM FIRES IN FLOATING-ROOF TANKS.

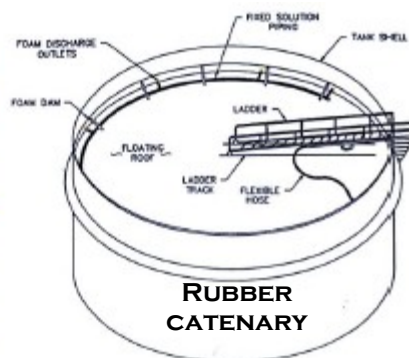
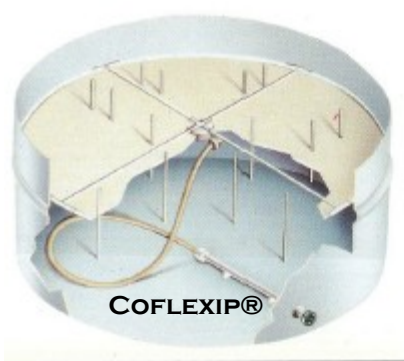
IT DELIVERS HIGH VELOCITY FIRE-EXTINGUISHING FOAM THROUGH A FLEXIBLE PIPE IN THE CENTRE OF THE TANK AND OUT TO THE CRITICAL TANK RIM AREA.

UNTIL NOW, THE MOST COMMON METHOD UTILISED A STAND-PIPE SYSTEM, WHICH HAS TO DELIVER AN EXTREMELY LARGE VOLUME OF FOAM BEFORE THE RIM IS COVERED, ESPECIALLY WHEN THE ROOF IS IN A MID TO LOW POSITION.

IN THE COFLEXIP® SYSTEM, THE FOAM TRAVELS THROUGH THE FLEXIBLE PIPE AND EXITS AT THE SEAL RIM OF THE FLOATING ROOF, PRECISELY WHERE THE FIRE IS LOCATED, THUS RAPIDLY FLOODING THE SEAL RIM AREA AND QUICKLY EXTINGUISHING THE FLAMES.

### RIM FIRE PROTECTION SYSTEM ADVANTAGES

- Faster, safer, more efficient.
- Rapid foam delivery.
- Low maintenance.
- Minimum total foam usage.
- Damage possibilities minimised.
- Easy and less costly installation.
- Normally only one foam maker and one supply line per tank.

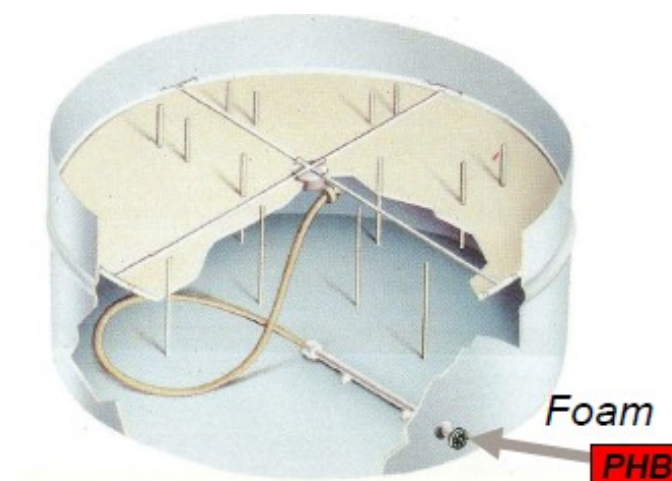


DIFFERENT WAYS TO FIGHT FIRE

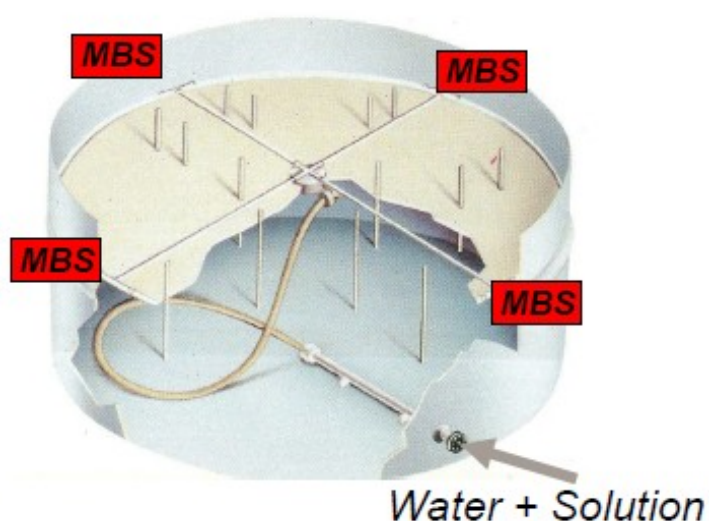
**TABLE OF COMPARISON OF DIFFERENT FIRE PROTECTION SYSTEMS**

	COFLEXIP	FIXED FOAM CHAMBERS	RUBBER CATENARY
Design	Simple	Complex	Similar to Coflexip
Distribution	Direct/Uniform	Fixed while roof moves	Direct
High wind/rain	Not affected	Loss of foam	Hose aged when exposed
Wind loads	No	Additional wind loads	Some extent
Foam chamber	One	Multiple	One
Foam dam	May not require	Yes, large dam	May not require
Response Time	Quick	Slow	Middle
Flash explosion	Not affected directly	Yes	Yes
Efficiency	Excellent	Drop as roof is low	Depends
Maintenance	None	Accessibility is poor	Accessibility is poor

PHB (HIGH BACK PRESSURE) FOAM MAKER IS USED TO PRODUCE FOAM WHICH IS PUMPED THROUGH THE PIPING FROM THE OUTSIDE OF THE TANK UP TO THE SEAL AREA

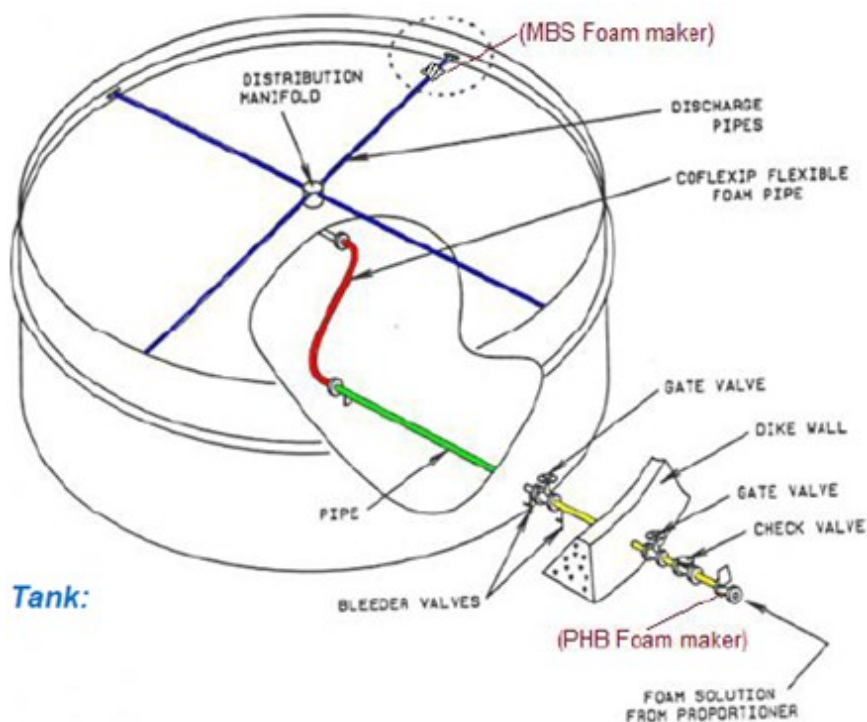


MHB (ONE PER RADIAL) FOAM MAKERS ARE USED WHEN THE FOAM IS PRODUCED JUST OUTSIDE THE SEAL AREA USING A SOLUTION PUMPED UP TO THE SEAL AREA



## COFLEXIP® RIM FIRE PROTECTION SPECIFICATIONS

- FOAM DISCHARGED DIRECTLY INTO THE ROOF SEAL AREA
- 2 TYPES OF SYSTEMS: MBS AND PHB
- 2 TYPES OF INJECTION: ABOVE-THE-SEAL AND BELOW-THE-SEAL



## ADVANTAGES OF COFLEXIP® RIM FIRE PROTECTION

- FOAM QUANTITY AND QUALITY ARE NOT COMPROMISED BY BAD WEATHER CONDITIONS
- FIRE EXTINGUISHED IN A FEW MINUTES
- NO MAINTENANCE NEEDED AFTER INSTALLATION (20 YEARS DESIGN LIFE)

## TECHNICAL SERVICES OFFERED

- FOAM SYSTEM SIZING
- INSTALLATION DRAWINGS
- INSPECTION ON-SITE

## COFLEXIP® RIM FIRE SYSTEM COMPLIES WITH NFPA 11 STANDARD