

FM GLOBAL'S POSITION RELATIVE TO FIRE PUMP SIZING

The pump rating defined in the FM Approval process (according to FM Approval Standards 1311, 1312 and 1319) and shown in the individual pump listings in the Approval Guide, an online resource of FM Approvals, serves as the basis for the range of operation in FM Global fire protection sprinkler system installations. The demand/duty flow of the specific installation given by the customer must be between 90% and 140% of the rated pump capacity shown in the Approval Guide.

It is important to state that when making a pump selection that consideration be given to potential future expansion of the system. For example, if a pump is selected and the design is close to the 140% point, that specific pump cannot be considered for supplying possible expansion of that particular system. As a result, practically we recommend pump sizing in the range of 90% to 120% for engineering purposes, however the published range of 90% to 140% is correct.

An example of the pump selection process is given below for a fire protection system requiring a 1360 gpm demand/duty flow.

Three possible pumps could be selected:

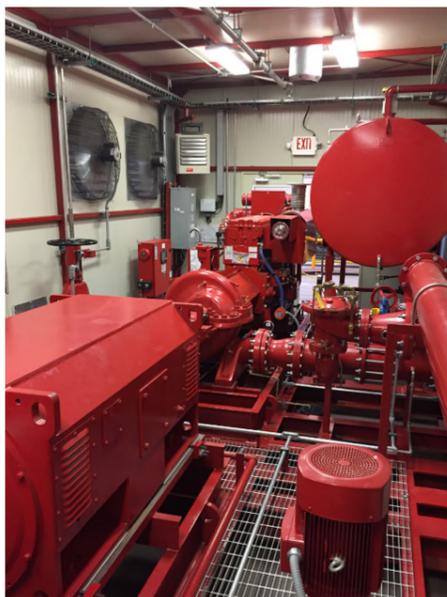
- A pump rated at 1000 gpm – as the maximum of operation for 1000 gpm pump is 1400 gpm
- A pump rated for 1250 gpm – as the allowed range of operation for a pump rated for 1250 gpm is from 1125 gpm to 1750 gpm
- A pump rated for 1500 gpm – as the allowed range of operation for pump rated for 1500 gpm is from 1350 gpm to 2100 gpm



DID YOU KNOW?

The majority of fire-related deaths are caused by smoke inhalation of the toxic gases produced by fires. Actual flames and burns only account for about 30 percent of fire-related deaths and injuries.

FEATURED PROJECT



For a world-leading mining and metallurgical company located in Mexico.

Pump Model: HSC 8x14x21E
Pump Capacity: 2500 GPM



FIRE NEWS

Fire at Mexican offshore oil platform kills five

At least five people have been killed and six injured in a fire at an offshore oil platform owned by Mexico's state-run company Pemex. The incident occurred last Sunday, August 22 on an offshore platform located in the Gulf of Mexico.

The accident knocked 125 wells offline, totaling 421,000 barrels per day (bpd) of lost output, or about 25% of Mexico's total production.



More than 41,000 Californians are under evacuation orders as state faces dangerous weather conditions for fire activity

California wildfires have scorched more than 1.66 million acres this year, according to Cal Fire. "Fires burning in Northern California are exhibiting extreme fire growth based on critical fuel conditions," Cal Fire said. "Under these drought conditions, wildfires are burning rapidly with extreme severity and have traveled up to 8 miles in a single day."

Last Thursday, August 26th, 33,323 people in California were under wildfire evacuation orders, according to Cal OES. By the evening, that number jumped to 34,811. Friday morning, the tally was at 41,200. An update showed the addition of 6,600 residents of Calaveras County.



WEBINAR

"Firepumps for the Oil & Gas Industries"

Thursday 30th September – 08.00 (UK BST) (Eastern Hemisphere) & 17.00 (UK BST) (Western Hemisphere)

Aimed at Process and Mechanical Engineers and Consultant Engineers specifying firepumping equipment for refineries and oilfield installations as well as Applications & Sales Engineers selecting and quoting them.

As well as covering firepumps in general the course will cover engineered firepump packages for hazardous areas such as offshore oil platforms and refineries.

RESERVE YOUR SPOT!

Eastern hemisphere:
<https://bit.ly/3n3nR4d>

Western hemisphere:
<https://bit.ly/3gZNwqC>