



Highly Evolved...



Total Performance
Fire Pump Packages



...throughout the

A Global Presence

SPP Pumps have been working with consultants, contractors, installers and end-users for more than a century to achieve the most cost effective Fire system pumping solutions.

It is no wonder that since SPP Fire was formed in 1875, it has built a reputation for quality and value that has made it unquestionably the leading supplier of Approved Fire Protection Pumping Packages throughout the World.

We now have 6 facilities worldwide that offer the same attention to quality and value that has made SPP Pumps a market leader for over 100 years.





World

Setting the Standards

SPP Pumps Fire Products comply with the demanding requirements of the UL and FM approval standard, and meets all the requirements of NFPA 20.

You will find our products in many major airports, oil & gas installations, in many of the tallest and most prestigious buildings around the world and in the channel tunnel between the UK and France. In fact you will find SPP Fire Pump Products wherever people and property need to be protected from the devastation of fire.

If you need secure and affordable fire protection pump packages then contact SPP Pumps Inc.

Born Out of Experience

Originally called Pulsometer Pumps, SPP has more than a century of experience in Fire protection although capability has changed :

c.1875

today and tomorrow



As the first pump manufacturer in Europe to achieve FM approval, SPP has one of the widest range of approved and listed equipment in the world.



Thrustream



The protection of life is not a matter for compromise

This is particularly true for fire protection systems where they are only as strong as their 'weakest link' and compromise may result in avoidable loss of life or property.

That is why SPP fire pumps are designed specifically for the very particular needs of fire protection and are approved by most of the major fire protection bodies around the world.

By selecting an approved SPP Fire Pump as part of an approved system and maintained in accordance with standards such as NFPA 20, you can sleep easy knowing that you have chosen the best you can get.

FM/UL Thrustream Split Case Fire Pumps

SPP Pumps have been manufacturing fire pumps for over 125 years with one of the widest range of approvals of any manufacturer in the world. Experience gained from extreme environments such as off-shore oil & gas installations has led to the creation of the SPP FM/UL Thrustream range of fire pumps approved for fire protection by FM Approvals and Underwriter Laboratories.

SPP Thrustream pumps can be found in most types of installation around the world including:

- Office buildings
- Hospitals
- Airports
- Manufacturing facilities
- Power stations
- Pharmaceutical facilities
- Schools/College

Applications include:

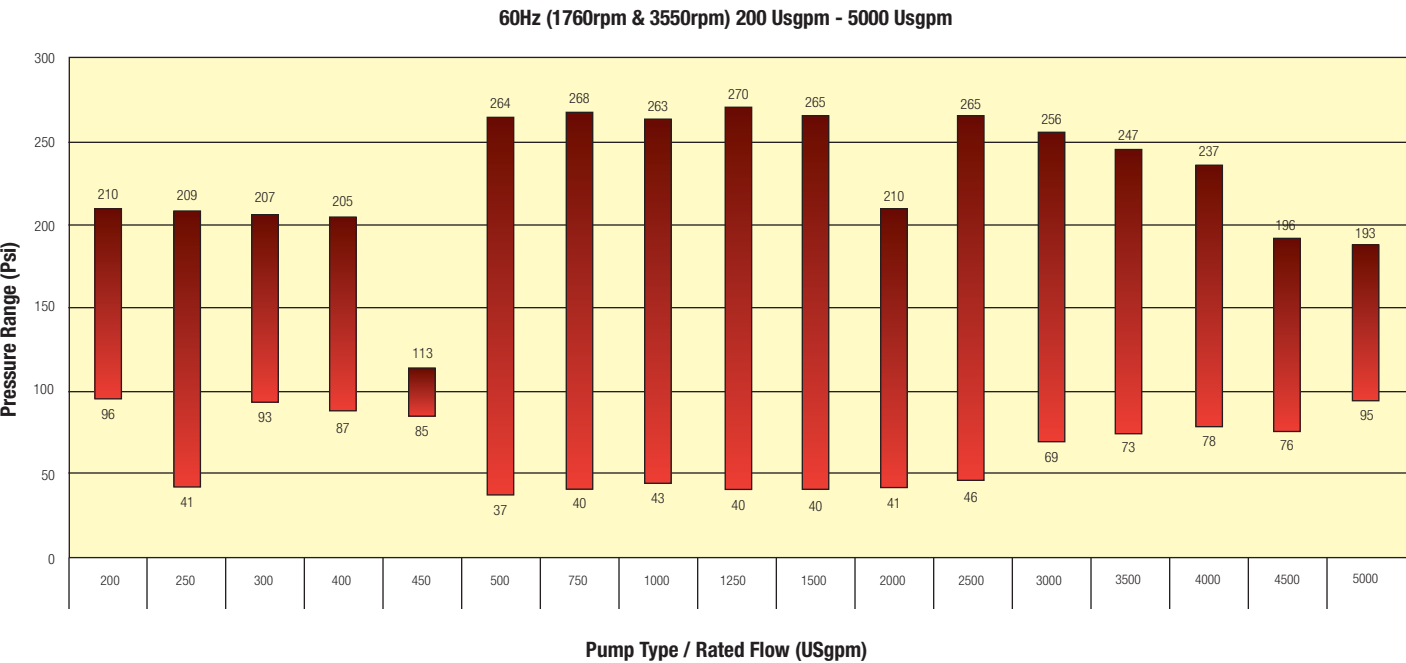
- Sprinkler systems
- Hydrant systems
- Deluge systems
- Monitor systems
- Water curtain



SPP PUMPS INC.

SPP Thrustream FM/UL Approved Fire Pumps are available for duties ranging from 200 USgpm to 5000 USgpm and are suitable for electric or diesel drives. The table below demonstrates how the range of Thrustream FM/UL approved Split-Case pumps are designed to meet most normal requirements.

SPP also supplies Vertical, End-Suction and In-line pumps. SPP Thrustream FM/UL Approved Fire Pumps are available with either inch or metric fittings.



Vertical In-Line



UL Listed Vertical In-Line Fire Pumps

SPP Pumps have been manufacturing fire pumps for over 125 years with one of the widest range of approvals of any manufacturer in the world. Experience gained from extreme environments such as off-shore oil & gas installations has led to the creation of the SPP UL Vertical In-Line range of fire pumps approved for fire protection by Underwriters Laboratories and fully compliant with NFPA 20.

The SPP line of vertical In-Line fire pumps are lightweight and compact for smaller pump rooms. They eliminate the need for coupling alignment and there are fewer lost or misplaced parts.



SPP Vertical In-Line pumps can be found in most types of installation around the world including:

- Office buildings
- Hospitals
- Airports
- Manufacturing facilities
- Power stations
- Pharmaceutical facilities

Typical Applications:

- Sprinkler systems
- Hydrant systems
- Deluge systems
- Monitor systems
- Water curtain

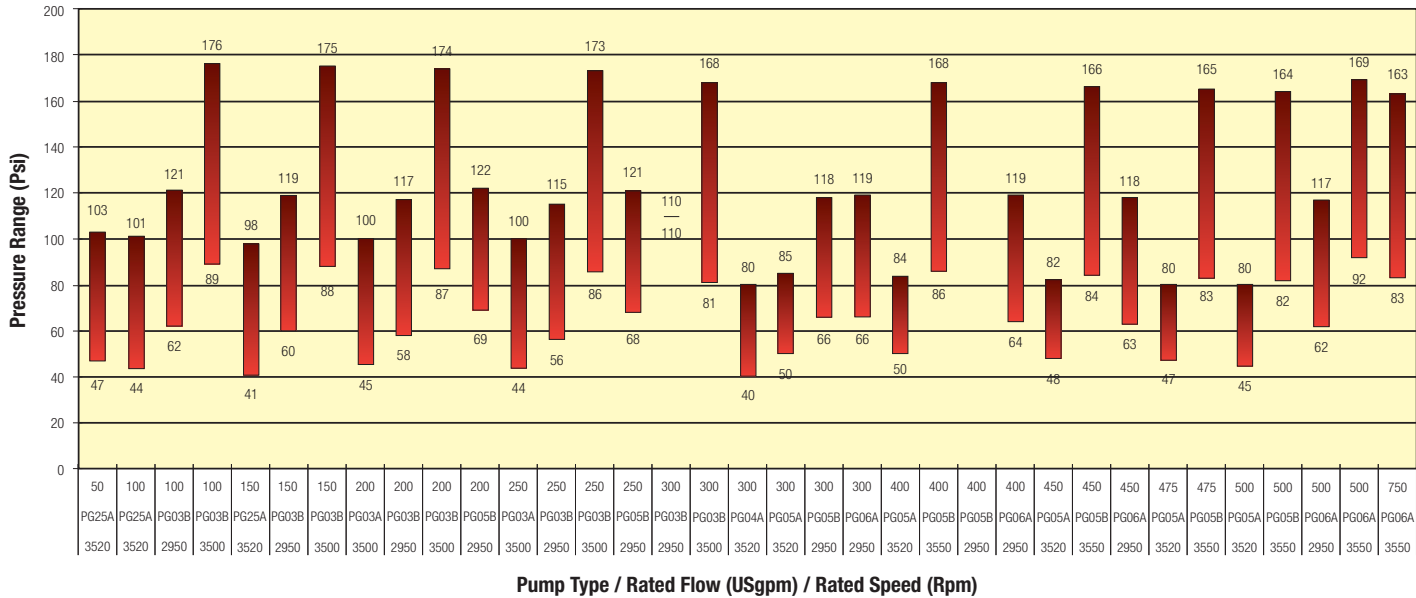


SPP PUMPS INC.

SPP Vertical In-Line UL Approved Fire Pumps are available for duties up to 750 USgpm and are suitable for electric drives. The table below demonstrates how the range of Vertical In-Line UL approved pumps are designed to meet most normal requirements. SPP also supplies Split-Case, End-Suction and Vertical Turbine fire pumps.

Examples of UL Approvals up to 750 USgpm.

In Line (2950rpm - 3550rpm) 50 USgpm – 750 USgpm



SPP Vertical In-Line pumps can also be offered as pre-wired packages that include a limited or full service controller. Every package is mounted on a steel fabricated base with the motor wired to the controller. The automatic air relief valve, casing relief valve, suction gauge and discharge gauge are mounted on their respective spool pieces. Additional piping, valves and sensing lines are available with the In-Line packages. The SPP In-Line package system also includes a jockey pump and jockey pump controller.



Vertical Turbine



FM/UL Vertical Turbine Fire Pumps

SPP Pumps have been manufacturing fire pumps for over 125 years with one of the widest range of approvals of any manufacturer in the world. Experience gained from extreme environments such as off-shore oil & gas installations has led to the creation of the SPP FM/UL Vertical Turbine range of fire pumps approved for fire protection by FM Approvals and Underwriter Laboratories and fully compliant to NFPA 20.

Where the fire protection water source is located below ground or deck level, the best technical pumping solution is the vertical suspended multi stage turbine pump. With this type of unit the impellers are fully immersed in the water maintaining prime at all times. The pumps are driven by vertical electric motors or by diesel engines through a right angle gearbox



SPP Vertical Turbine Pumps can be found in most types of installation around the world including:

- Office Buildings
- Manufacturing Facilities
- Hospitals
- Power Stations
- Airports
- Pharmaceutical Facilities

Applications include:

- Sprinkler Systems
- Monitor Systems
- Hydrant Systems
- Water Curtain
- Deluge Systems

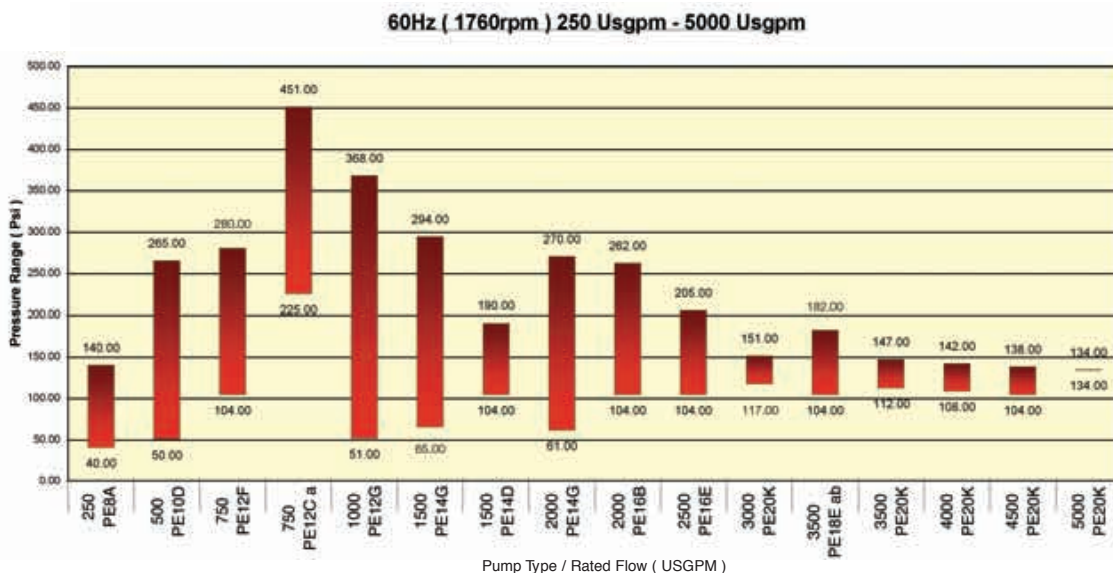


SPP PUMPS INC.

SPP Vertical Turbine FM/UL Approved Fire Pumps are available for duties ranging from 500 USgpm to 5000 USgpm and are suitable for electric or diesel drives. The table below demonstrates how the range of Vertical Turbine FM/UL approved pumps are designed to meet most normal requirements.

SPP also supplies Split-Case, End-Suction and In-line fire pumps. SPP Vertical Turbine FM/UL Approved Fire Pumps are available with either inch or metric fittings.

Examples of FM/UL Approvals up to 5000 USgpm.



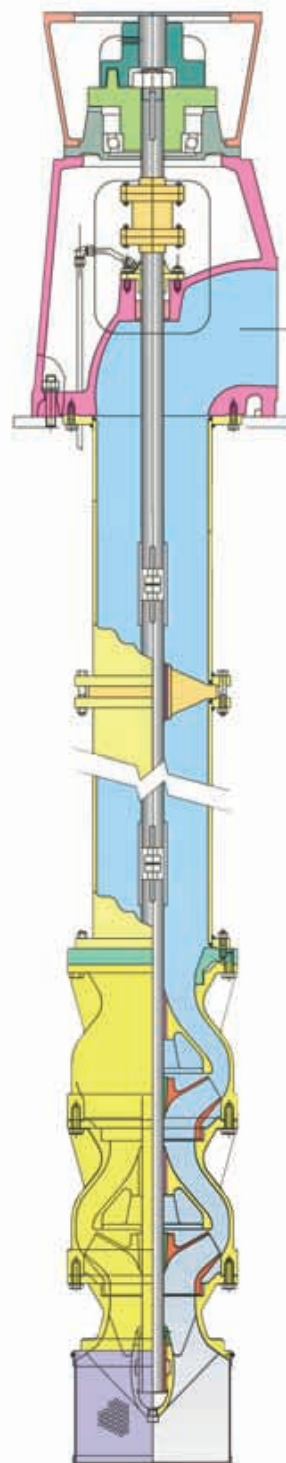
SPP Vertical Turbine pumps can also be custom engineered for the oil and gas industry and can handle fresh water or sea water for cooling purposes, fire protection duties, general water supply, washdown or drill water. They can also be used for handling crude oil or controlling spillages. For platform or jetty locations they can be provided with a below-deck discharge if required.



SPP vertical lineshaft pump
directly driven by a
1200kw electric motor



SPP Vertical Turbine pump on test



End Suction



The protection of life is not a matter for compromise

This is particularly true for fire protection systems where they are only as strong as their 'weakest link' and compromise may result in avoidable loss of life or property.

That is why SPP fire pumps are designed specifically for the very particular needs of fire protection and are approved by most of the major fire protection bodies around the world

By selecting an approved SPP fire pump as part of an approved system and maintained in accordance with standards such as NFPA 20, you can sleep easy knowing that you have chosen the best you can get.

FM/UL End-Suction Fire Pumps

SPP Pumps have been manufacturing fire pumps for over 125 years and with one of the widest range of approvals of any manufacturer in the world. Experience gained from extreme environments such as off-shore oil & gas installations has led to the creation of the SPP FM/UL Unistream and Eurostream range of pumps approved for fire protection by FM Approvals and Underwriter Laboratories and fully compliant to NFPA 20.

SPP End Suction fire pumps can be found in most types of installation around the world including:

- Office buildings
- Hospitals
- Airports
- Manufacturing facilities
- Power stations
- Pharmaceutical facilities
- Schools/colleges

Typical Applications:

- Sprinkler systems
- Hydrant systems
- Deluge systems
- Monitor systems
- Water curtain

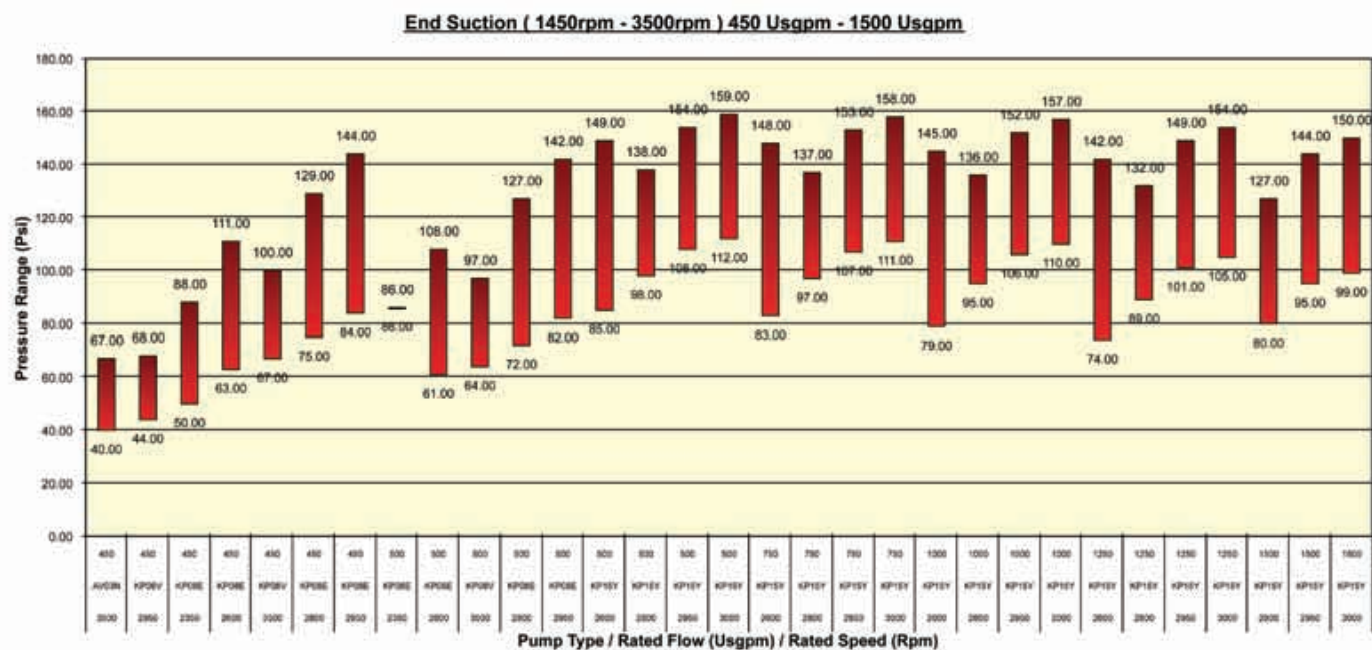
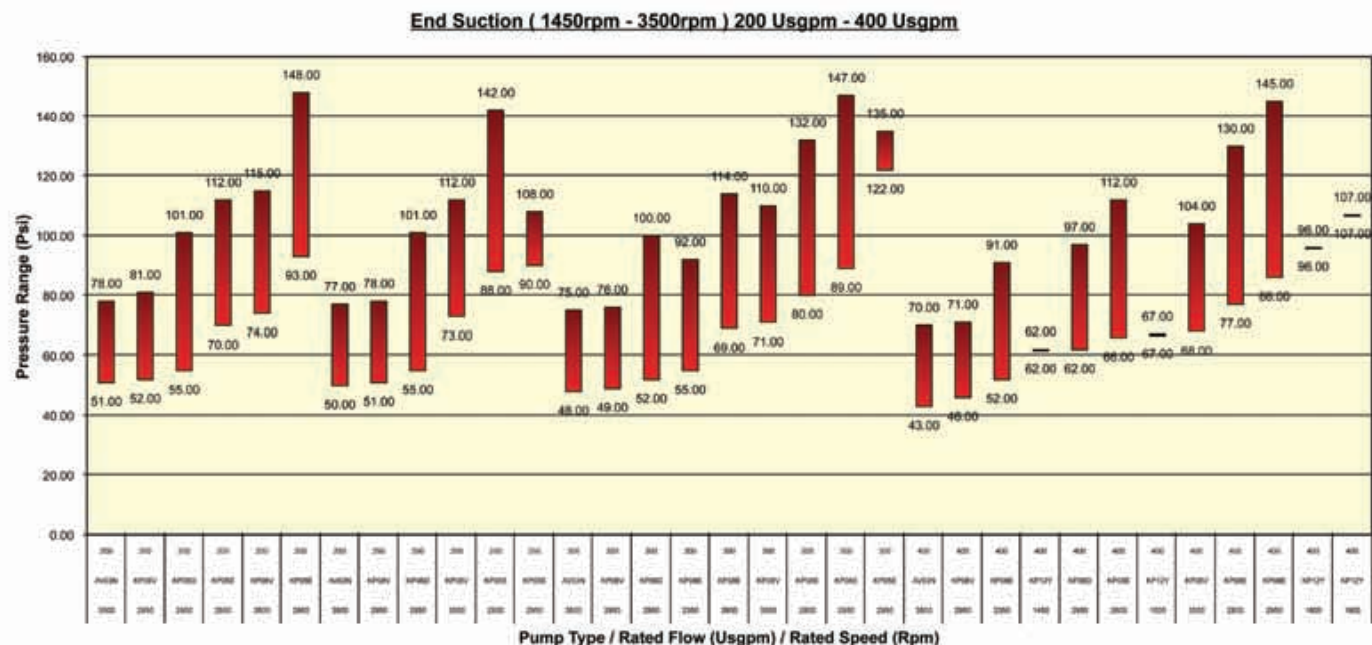


SPP PUMPS INC.

SPP End-Suction fire pumps are available for duties ranging from 200 USgpm to 1500 USgpm and are suitable for electric or diesel drives. The table below demonstrates how the range of End-Suction pumps are designed to meet most normal requirements.

SPP also supplies Vertical Turbine, Split Case and In-line fire pumps. SPP End-Suction pumps are available with either inch or metric fittings.

Examples of UL Approvals up to 2500 USgpm. Further pumps available up to 5000 USgpm.



Assessed to ISO 9001:2000
Certificate No. 111



PUMPS
www.spppumps.com

Venturi Fire Pump Flow Meter



Venturi Fire Pump Test Meter

Venturi:

1018 or 1026
Solid Carbon Steel (machined)
Carbon Steel Thick Wall Pipe and/or Tube (machined)
Material Certs Available
Powder Coating "Red" or .0005 Zinc Plating

Meters:

Aluminum 4" Dial, 1/4 MNPT Connections 304SS Case
with Rubber Ring, Glass Window buna-n Seal

Ball Valves:

Brass (CA360)

Brass Fittings:

Brass (CA360)

Hoses:

"Goodyear" Rubber Hose
Brass (CA360) Fittings (Rated: 750 psi working Pressure)



SPP your first choice for all your flow needs

SPP is the leader in Flow Technology. Our mission is to maintain this reputation by providing the highest level of quality and customer satisfaction. We are FM approved and our equipment is ISO 17025 certified.



SPP PUMPS INC.

Line Size	Pump GPM	Meter Range Min. & Max. GPM	Meter Range Min. & Max. LPM	Model Number Grooved	Model Number Butt Weld	Model Number 150# Flanged	Model Number <Threaded> *300# FLANGED*
**1-1/4"	25	12.5 – 50	47 - 189	*SPP-25-1.25"-G	SPP-25-1.25"-B	*SPP-25-1.25"-F	SPP-25-1.25"-T
**2"	50	25 – 100	95 - 379	* SPP-50-2"-G	SPP-50-2"-B	* SPP-50-2"-F	SPP-50-2"-T
**2-1/2"	100	50 - 200	189 - 757	SPP-100-2.5"-G	SPP-100-2.5"-B	SPP-100-2.5"-F	*SPP-100-2.5"-F3
3"	150	75 – 300	284 - 1136	SPP-150-3"-G	SPP-150-3"-B	SPP-150-2.5"-F	*SPP-150-3"-F3
3"	200	100 – 400	379 - 1514	SPP-200-3"-G	SPP-200-3"-B	SPP-200-3"-F	*SPP-150-3"-F3
4"	250	125 – 500	473 - 1893	SPP-250-4"-G	SPP-250-4"-B	SPP-250-4"-F	*SPP-250-4"-F3
4"	300	150 – 600	568 - 2271	SPP-300-4"-G	SPP-300-4"-B	SPP-300-4"-F	*SPP-300-4"-F3
4"	400	200 – 800	757 - 3028	SPP-400-4"-G	SPP-400-4"-B	SPP-400-4"-F	*SPP-400-4"-F3
4"	450	225 – 900	852 - 3407	SPP-450-4"-G	SPP-450-4"-B	SPP-450-4"-F	*SPP-450-4"-F3
5"	450	225 – 900	852 - 3407	SPP-450-5"-G	SPP-450-5"-B	SPP-450-5"-F	*SPP-450-5"-F3
5"	500	250 – 1000	946 - 3785	SPP-500-5"-G	SPP-500-5"-B	SPP-500-5"-F	*SPP-500-5"-F3
5"	750	375 – 1500	1420 - 5678	SPP-750-5"-G	SPP-750-5"-B	SPP-750-5"-F	*SPP-750-5"-F3
6"	500	250 – 1000	946 - 3785	SPP-500-6"-G	SPP-500-6"-B	SPP-500-6"-F	SPP-500-6"-F3
6"	750	375 – 1500	1420 - 5678	SPP-750-6"-G	SPP-750-6"-B	SPP-750-6"-F	SPP-750-6"-F3
6"	1000	500 – 2000	1893 - 7570	SPP-1000-6"-G	SPP-1000-6"-B	SPP-1000-6"-F	SPP-1000-6"-F3
6"	1250	625 - 2500	2366 - 9462	SPP-1250-6"-G	SPP-1250-6"-B	SPP-1250-6"-F	SPP-1250-6"-F3

Line Size	Pump GPM	Meter Range Min. & Max. GPM	Meter Range Min. & Max. LPM	Model Number Grooved	Model Number Butt Weld	Model Number Flanged	Model Number *300# FLANGED*
8"	1000	500 – 2000	1893 - 7570	SPP-1000-8"-G	SPP-1000-8"-B	SPP-1000-8"-F	SPP-1000-8"-F3
8"	1250	625 – 2500	2366 - 9462	SPP-1250-8"-G	SPP-1250-8"-B	SPP-1250-8"-F	SPP-1250-8"-F3
8"	1500	750 – 3000	2839 - 11356	SPP-1500-8"-G	SPP-1500-8"-B	SPP-1500-8"-F	SPP-1500-8"-F3
8"	2000	1000 – 4000	3785 - 1514	SPP-2000-8"-G	SPP-2000-8"-B	SPP-2000-8"-F	SPP-2000-8"-F3
8"	2500	1250 – 5000	4731 - 18925	SPP-2500-8"-G	SPP-2500-8"-B	SPP-2500-8"-F	SPP-2500-8"-F3
8"	3000	1500 – 6000	5678 - 22712	SPP-3000-8"-G	SPP-3000-8"-B	SPP-3000-8"-F	SPP-3000-8"-F3
10"	1500	750 – 3000	2839 - 11356	SPP-1500-10"-G	SPP-1500-10"-B	SPP-1500-10"-F	SPP-1500-10"-F3
10"	2000	1000 – 4000	3785 - 15142	SPP-2000-10"-G	SPP-2000-10"-B	SPP-2000-10"-F	SPP-2000-10"-F3
10"	2500	1250 – 5000	4731 - 18925	SPP-2500-10"-G	SPP-2500-10"-B	SPP-2500-10"-F	SPP-2500-10"-F3
10"	3000	1500 – 6000	5678 - 22712	SPP-3000-10"-G	SPP-3000-10"-B	SPP-3000-10"-F	SPP-3000-10"-F3
10"	3500	1750 – 7000	6624 - 26495	SPP-3500-10"-G	SPP-3500-10"-B	SPP-3500-10"-F	SPP-3500-10"-F3
10"	4000	2000 – 8000	7570 - 30283	SPP-4000-10"-G	SPP-4000-10"-B	SPP-4000-10"-F	SPP-4000-10"-F3
10"	4500	2250 – 9000	8518 - 34068	SPP-4500-10"-G	SPP-4500-10"-B	SPP-4500-10"-F	SPP-4500-10"-F3
12"	2500	1250 – 5000	4731 - 18925	* SPP-2500-12"-G	* SPP-2500-12"-B	* SPP-2500-12"-F	*SPP-2500-12"-F3
12"	3000	1500 – 6000	5678 - 22712	* SPP-3000-12"-G	* SPP-3000-12"-B	*SPP-3000-12"-F	*SPP-3000-12"-F3
12"	3500	1750 – 7000	6624 - 26495	* SPP-3500-12"-G	* SPP-3500-12"-B	* SPP-3500-12"-F	*SPP-3500-12"-F3
12"	4000	2000 – 8000	7570 - 30283	*SPP-4000-12"-G	* SPP-4000-12"-B	* SPP-4000-12"-F	*SPP-4000-12"-F3
12"	4500	2250 – 9000	8518 - 34068	* SPP-4500-12"-G	* SPP-4500-12"-B	* SPP-4500-12"-F	*SPP-4500-12"-F3
12"	5000	2500 - 10000	9464 - 37854	SPP-5000-12"-G	SPP-5000-12"-B	SPP-5000-12"-F	SPP-5000-12"-F3

* DENOTES NON-STOCK ITEM, PLEASE CHECK WITH FACTORY FOR AVAILABILITY

SIZES 1-1/4", 2", 2-1/2", & 14" ARE NOT FM APPROVED PER FACTORY MUTUAL

SPP PUMPS INC.

SPP Packaged Fire Pumping Systems



Detailed Specifications

- Built in accordance with NFPA Pamphlet 20
- Fully Prefabricated
- Internally piped and wired
- Factory Installed Tamper Switches
- Factory Tested
- Single Source Responsibility
- Automatic or Manual Operation

SPP PUMPS INC.

Detailed Description

SPP packaged fire pumping systems save time, labor and change orders on site. Cost-effective, completely self-contained skidded or housed units precisely fit specified areas, and require only system piping connections and a single point electrical hook-up. Housings are built to accommodate required environments with lighting, heating, ventilation, insulation, weather protection, alarms and easy access opening.

Before shipment, each pump station must pass SPP's unique system testing and quality control standards. After installation, users are supported by a network of factory trained service representatives qualified to provide on-site system service and user training. All SPP packages meet OSHA and Federal Regulation 29 CFR 1910.399 and NFPA Pamphlet 70 National Election Code (NEC) for third party certification. Excellent design, quality construction and knowledgeable personnel provide the reliability required for a SPP Fire Protection System. SPP is ISO 9001 certified and our test rig is UL Listed and FM approved

Customization Options

SPP can design your fire pump solution with electric or diesel drivers. We offer inline, end suction, horizontal split case, or vertical turbine pumps to meet site or flow requirements.



Jockey Pumps

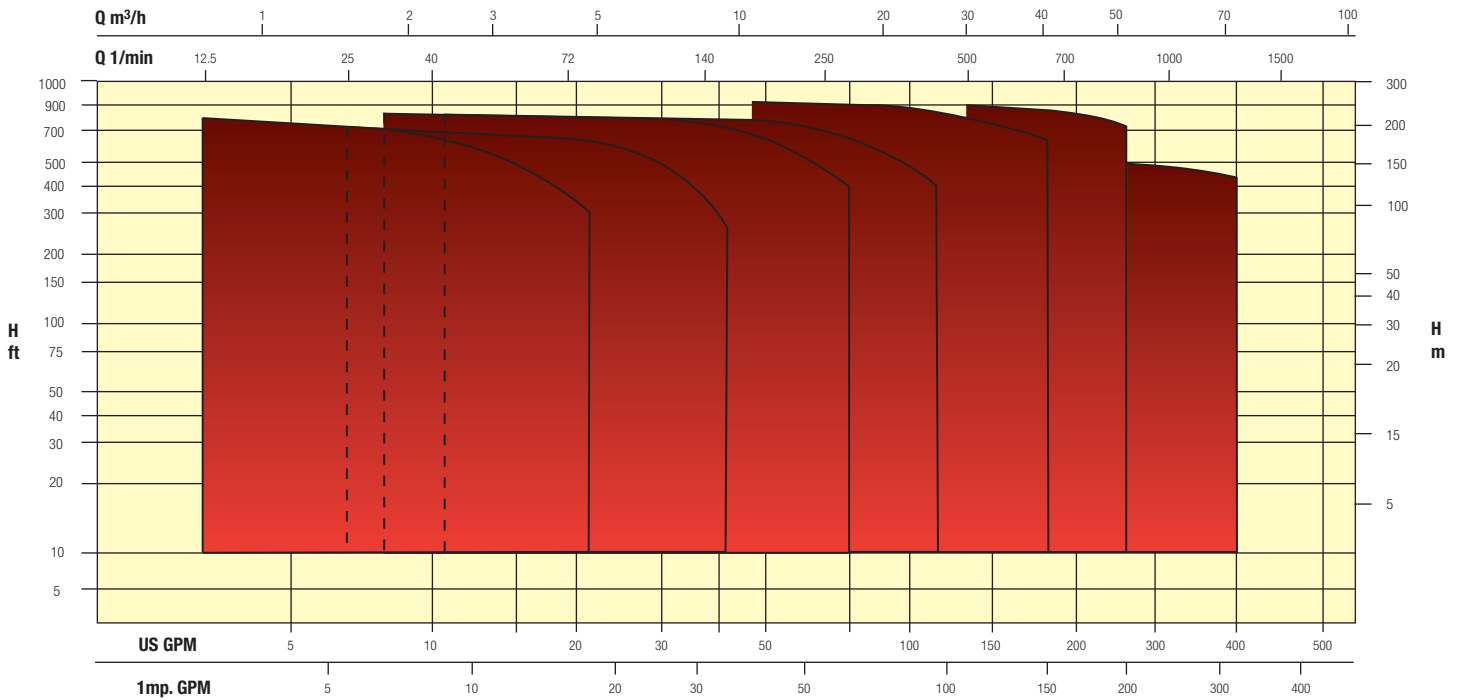


Features

- **Standard NEMA motors**
- **Integral thrust bearing on 5 HP and larger pumps to handle axial thrust loads**
- **Air vent** in casing cover allows proper venting preventing air entrapment and dry run
- **Liner ring** is a self-aligning, floating design constructed to prevent swelling at high temperatures
- **Tungsten carbide lower pump bearings** and sleeves are standard construction for all services, providing maximum operating life
- **Direct drive** pump and motor shafts are keyed for positive, reliable power transmission with **no adjustments necessary**
- **“Flexible” floating outer casing** allows for thermal expansion in hot water applications, preventing deformation due to pressure fluctuations
- **Anti-erosion measures** – a dish-shaped insert is fitted to the intermediate casing designed to promote smooth flow and prevent high velocity areas that accelerate erosion
- **Square-edge six spline shaft** or twelve spline shaft provides positive location and drive of impellers eliminating wear
- **Dimensions & flanges** – installation is to market accepted dimensions for easy upgrade of existing installations
- **Mechanical seal** – Silicon/Carbon/Viton mechanical shaft seal; cartridge seal standard on Models 32, 45, and 64
- **Positive Sealing** – O-rings between intermediate casings provide positive sealing

SPP PUMPS INC.

Selection Chart



Applications

- Water Supply
- Reverse Osmosis
- Water Boosting
- Washing Systems
- Fire Fighting
- Water Treatment
- Plants
- Boiler Feed
- Hot & Cold Water
- Circulation
- Irrigation
- Sprinkler Systems
- Filtration
- Heat Exchangers



Connection capabilities:

Grooved ends
Threaded ends
ANSI flange
Oval flange

Materials of construction

Cast iron
304 SS/cast iron
304 SS
316 SS/cast iron
316 SS



Resi-stream



SPP Pumps Resi-stream 13D residential fire pump

SPP Pumps is proud to introduce the Resi-stream home fire protection system.

- The Resi-stream is fully compliant to NFPA 13D standards and comes pre-assembled and hydraulically tested in excess of 200psi from the factory.
- The Resi-stream home fire protection system arrives ready to install and pre-wired for simple error free electrician hook up.
- The Resi-stream comes in 2 styles both the open unit with corrosion resistant base for mounting as well as the fully enclosed unit for simple and complete installation.
- Both units are available in either 115 or 220 volt single phase power depending on horsepower.
- Bronze fittings and connections help to reduce if not eliminate corrosion and help ensure a reliable home fire protection pumping system for many, many years.
- To ensure peace of mind, we will also offer a 1 year limited factory warranty, so that you can feel safe knowing your family is protected.
- The Resi-stream is one more product we offer that makes SPP your “one stop shop” for all of your fire pumping needs.

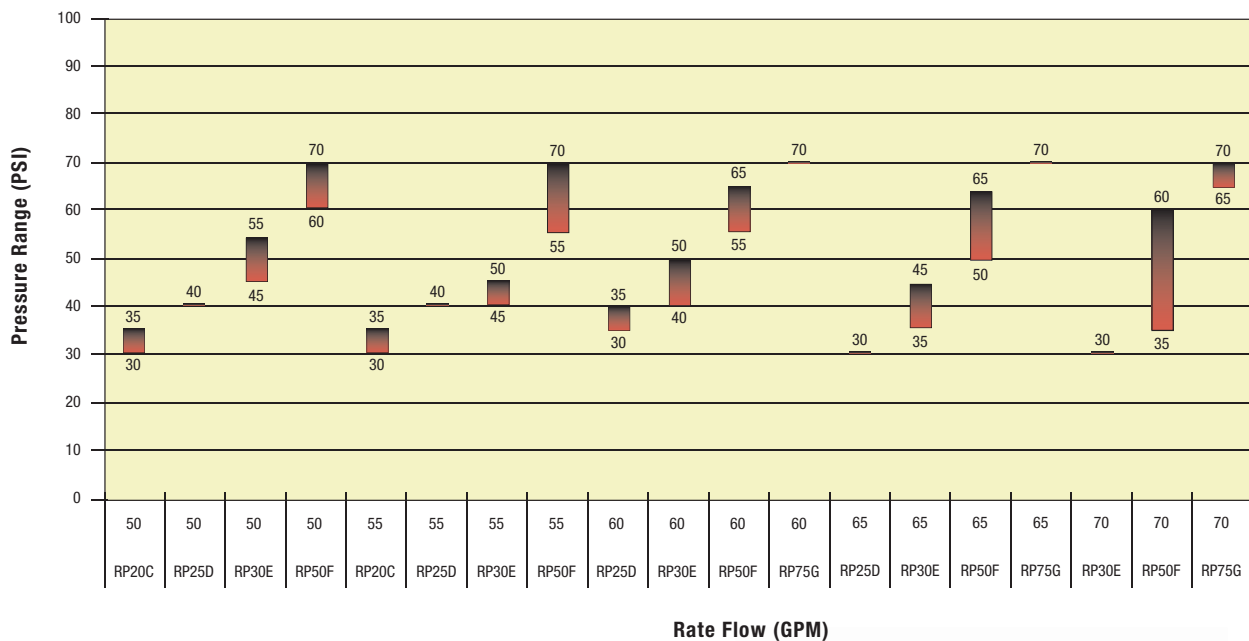
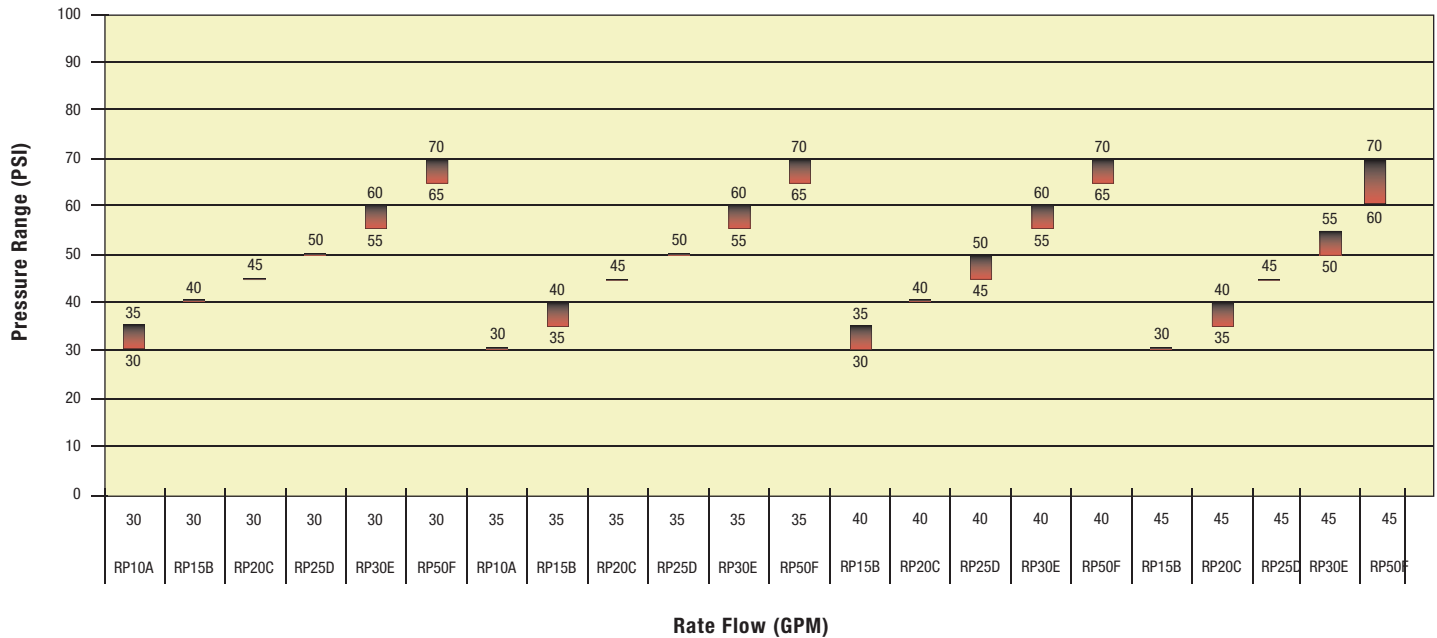
A Global Presence

SPP Pumps have been working with consultants, contractors, installers and end-users for more than a century to achieve the most cost effective Fire system pumping solutions.

- It is no wonder that since SPP Fire was formed in 1875, it has built a reputation for quality and value that has made it unquestionably the leading supplier of Approved Fire Protection Pumping Packages throughout the World.
- We now have 6 facilities worldwide that offer the same attention to quality and value that has made SPP Pumps a market leader for over 100 years.

SPP PUMPS INC.

13D Horsepower Selection Chart



Water Storage Tanks

SPP Pumps Resi-stream can be supplied with water storage tanks. They are supplied with a standard 1 year manufacturer's warranty and fit through most standard doorways. The Resi-stream tanks have automatic fill valves, top entry lids, gallon markers and bulkhead fittings for suction, fill and overflow connections. Other tank sizes available, please ask your representative for details.

They are selected as follows:

Capacity	diameter	height	weight
130 gallons	29"	51"	35 lbs.
175 gallons	29"	66"	50 lbs.
300 gallons	34"	82"	85 lbs.
310 gallons	32"	93"	90 lbs.
425 gallons	42"	75"	100 lbs.



SPP PUMPS INC.



Fire Protection



Water & Industrial



Autoprime



Oil & Gas



Spares & Service

Company History:

For more than 100 years SPP Pumps has been a leading manufacturer of centrifugal pumps and associated systems. Installed globally, SPP pumps provide valuable high integrity services for diverse industries such as oil and gas production, airports, hotels, water and waste water treatment, construction, mines and for large industrial plants.



Highly
Evolved . . .



. . . throughout the World

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