Arka Sanat
Firefighting & Fire Alarm Systems

Fire Water Hydrant & Monitor

We Offer Creative Design.

Document No.: RK-CAT-020 / 2019

Content

Welcome to Arka Sanat Pishroo

Our dreams is build a new generation of high quality design and development with professional skills and efficiency technology in firefighting and fire alarm systems.

Arka Sanat is specialized in designing, manufacturing and installation Firefighting and Fire Alarm systems. When it comes to fire safety and extinguishing solutions, reliability is essential. Therefore, Arka Sanat exclusively cooperates with internationally acknowledged partners.

Arka Sanat with his brand that name is "Trust" has multiple experiences of consulting and performing in national industries of Oil and Gas, Petrochemical, Refinery, Mining, Municipality, Airport, Fire department, Administrative and Commercial centers.

However Arka Sanat offers a lot more than products and services. By all means, we are involved during the complete project and the final commissioning to finish every project successfully.

Why Choose Us?

Our strong sense of identification with client projects means that we are constantly striving to provide solutions, even for issues they aren't yet aware of. To this end, we adopt a progressive approach to technology and marketing techniques.

This sense of identification also means we value and promote seamless interaction with clients' own teams, and ensure the best value is obtained from their event budget.

We love what we do, some might say a bit too much & we bring enthusiasm and commitment to every project we work on.

- Focus on quality
- Professional
- Great company value
- Quick response
- 20 years of experiences
- Passionate team

Our Best Services

Today, The Arka Sanat provides Fire Safety Systems with integrated solutions for any fire protection challenge.

The Arka Sanat profession focuses on Designing and Construction a wide variety of safety equipment to human health and safety in the workplace.

Rely on Arka Sanat to deliv-

Design & Engineering

Arka Sanat engineering services leverage the cross-functional group of experts at RK to deliver creative, accurate solutions to complicated challenges in a shorter period of time.

Procurement

Making the details come together is critical to a projects success. Our team works with suppliers to negotiate competitive pricing, delivery expectations, logistics, and administrative details. They also work closely with project management to assure all items are at the site when needed in good condition.

Construction

Arka Sanat provides predictable and reliable service for firefighting and Fire Alarm Systems. we offer accountability for results. Safety was the driving force behind the decision to start our company, and it remains a crucial factor on every construction project.


It is better to fail in originality than to succeed in imitation
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About
Our Products

We are a professional & solid company team who works with passion & skills to provide the best design for business needed.

Arka Sanat Company will provide all parts of Hose Box & Accessories with the highest quality, as follows:

- Fire Hydrant
- Globe Valve
- Fire Monitor
- Post Indicator Valve
- Post Plate Valve
- Deluge Valve Skid
- Fire Department Connection
- Strainer
- Butterfly Valve

These are manufactured in corrosion resistant material, bronze and brass and are suitable for both onshore and offshore applications.

We can imagine that you still have some question about you own specific sicuation after reading this leaflet. Our callegues will be pleased to help you by making a good

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Fire Hydrants

A fire hydrant is a device connected to a pressurized water supply designated to supply water for firefighting during all phases of the fire. It has a column shape which emerges from below the ground level, allowing above ground connection of equipment for firefighting purposes. Check our fire hydrant below and don't hesitate to contact us for more details.

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Fire hydrants work by tapping into a pressurized system. Firefighters fasten a hose to nozzles on the hydrant and pump water with varying water flow volumes.

Two types of fire hydrants are generally in use today. The most common is the base valve ordry barrel, in which the assembly controlling the water supply from municipal water system pipes is below the frost line between the foot valve and the barrel of the fire hydrant. The barrel on this type of fire hydrant is normally dry, with water being admitted only when there is a fire or when the hydrant is flow tested; other uses of this fire hydrant are discouraged. A drain valve at the base of the barrel is open when the main valve is closed, thus allowing residual water in the barrel of the hydrant to drain out. This type of fire hydrant needs to be installed whenever there is a chance the temperature will go below freezing, because the valve assembly and water supply are installed below the frost line determined from climatic conditions.
The second type of basic fire hydrant is the wet-barrel type which is normally limited to the southern and western States where protracted freezing is most unlikely; temperatures inside the hydrant barrel must remain above freezing at all times. This type of fire hydrant usually has a compression valve at each outlet, but they may have another valve in the bonnet that controls the water flow to each of the hose outlets.

Dry
Barrel Hydrants

Dry hydrants are pipes permanently installed within a static water source, such as a pond, stream, river, or holding tank. Artificially created water sources use tanks constructed of fiberglass, concrete, or other materials.
Another type of artificial water source may be combined with natural water sources, such as creating a pond in a stream by constructing a temporary dam. A pond makes drafting from a small stream feasible. Natural water sources provide an almost inexhaustible water supply, but they are susceptible to weather and geological conditions. Artificial water sources are not affected by these conditions, but they contain a limited amount of water.
Among the considerations when installing dry hydrants for natural water sources are accessibility to the dry hydrant, pumper capacity, elevation above sea level, water vapor pressure, and static lift. Pipe installation factors include the type of pipe, horizontal length, vertical length, the number and type of elbows, the strainer, and any reducers, as well as whether standard hydrants will be used.

Model No.: RK - HYD - 101

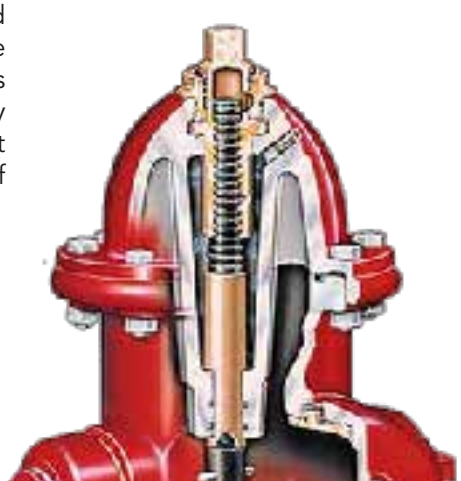
The main valve in a dry barrel hydrant sits at the hydrant's base. The water line is entirely subterranean, below the frost line, and adjacent to the main valve. When the valve opens, the barrel pressurizes and fills; firefighters can then pump water through the hooked-up hose. When they close the hydrant's valve after they put a fire out, the barrel drains. Because no water stays within the hydrant, there's no risk of freezing.

Hose & Pumper Nozzles:

Hose and pumper nozzles are threaded-in for easy field replacement if damaged, or for changeover to different thread style. A special locking method makes installation simple and secure. The nozzles can be faced in any direction by loosening the safety flange bolts and rotating the upper barrel assembly.

Dry-Top Design:

Arka Sanat Co.'s unique, self-oiling dry-top design provides automatic, positive lubrication for easy operation, even after years of service. Lubricant is forced over all stem threads and bearing surfaces in the operating mechanism each time the hydrant is operated. Dual O-ring seals prevent lubricant loss during shipping, storage, and installation to keep water away from the stem threads and bearing surfaces when the hydrant is in use. An anti-friction washer and automatic lubrication of the thrust collar add to easy operation.



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Description of Dry Barrel Hydrants

1. Hold-down nut: Features an integral washer seal.

2. Anti-friction washer: Helps assure easy operation over the life of the hydrant.

3. Oil filler plug: Permits visual check of oil level. Allows addition of oil without removing bonnet.

4. Sealed oil reservoir: O-ring sealed to prevent leakage. Lubricant is forced over stem threads bearing surfaces each time hydrant is operated.

5. Dual O-ring seals: Seal in lubricant and seal out water.

6. Field-replaceable hose & pumper nozzles: O-ring sealed, threaded in place, and retained by stainless steel locks Mueller Storz-style pumper nozzle available.

7. Full-flow openings: Large, smooth radius hose & pumper openings reduce friction loss.

8. Heavy-duty non-kinking chains: Special chain loop permits free turning of cap.

9. Stainless steel safety stem coupling: Provides a tight, corrosion resistant connection during normal operation.hits hydrant, coupling breaks cleanly, preventing stem or main valve damageDesigned so a tire cannot depress the stem and open main valve.

10. Safety flange: Breaks cleanly to help prevent barrel damage, but strong enough to normal handling. Allows economical repair, adding of extension section, and rotation or changing of upper barrel without excavation.

11. Drain valve facings: Specially designed, long-life polymer facings provide effective seal.

12. Bronze upper valve plate: Conical design reduces turbulence.

13. Bronze seat ring: Threaded into bronze drain ring and O-ring sealed. Can be removed or installed from above ground. Double drain valves are flushed each time the main vopen or closed. Bronze drain valves are integral parts of main valve assemb

14. Reversible, compression-type main valve: Closes with pressure for positive seal. Rubber material has long service lifis reversible, providing a convenient spare in place.

15. Cap nut: Retains main valve. Sealed by cap nut gasket to prevent corrosion of stem threads Locked in place by a stainless steel lock washer. Epoxy coated to resist corrosion.

16. O-ring flange seals: Superior pressure handling, easier disassembly & maintenance.

Source: Mueller Co.

Futears for Dry Barrel Hydrants

Performance and longevity are the real tests of a fire hydrant. Superior flow characteristics, easy operation, and maintenance and life-extending features are among the benefits of installing a Arka Sanat's fire hydrant.

- Epoxy coatings inside and out, top to bottom to resist the ravages of time and the environment. Upper section polyurethane enamel topcoat has superior UV resistance for extended gloss and color retention.
- 250psig working pressure and 500psig test pressure; 350psig working pressure option available.
- Reliable safety coupling and flange design reduces traffic damage. Convenient replacement kit available.
- Efficient hydraulic design provides maximum flow.
- Threaded-in hose and pumper nozzles are field replaceable.
- Automatic, forced oil lubrication each time it's operated and anti-friction washers ease operation.
- Reversible main valve provides a convenient replacement 'in-place' if ever needed. Main valve is easily removed from the bonnet flange or ground line flange.
- AWWA C502 compliant

Arka Sanat Co. has built its reputation on producing innovative water distribution products of superior quality – a reputation that is literally "on the line" every day throughout the world. Our products and those of its affiliates are used throughout the water system from the source to the consumer. And we are committed to continuing research and development of new products and services to meet the growing needs of the water infrastructure industry.

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For more informtion about *Arka Sanat Co.* Please visit:
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Wet
Barrel Hydrants

Wet-barrel hydrants operate similarly to dry barrel hydrants; however, the main valve is located at the top of the barrel, and the barrel is constantly filled with water. Manufacturers intend wet-barrel hydrants only be used in climates where temperatures never drops below 0°C since they are always charged with water.
Easy-to-access outlet valves and nozzles work independently so that firefighters can add more discharge lines without causing the hydrant to shut down.
All of these convenient above-ground aspects of wet barrel hydrants also make them susceptible to frost.

Arka Sanat producer many type of wet hydrants. you can find main specification in below items:

Type:

- 4 Way (with fire monitor connection)
- 3 Way (without fire monitor connection)
- Size: 2 1/2" , 3", 4", 6", 8"
- Acording to Standards: AWWA C503,
- NFPA 24, BS 336
- Finish: Red RAL 3000

Body Material:

- Ductile Iron
- Cast Iron
- Carbon Steel
- Gunmetal
- Cooper Nickel

Model No.: RK - HYD - 201

Model No.: RK - HYD - 202

Model No.: RK - HYD - 301

Inlet Connecon:

- ASME B16.5 #150 Flange 6”

Outlet Connecon:

- 1 No. Monitor Connecon 4” (4 Way)
- 1 No. Pumper Connecon 4” or 5 1/2”
- 2 No. Quick Coupling BS 336 2 1/2”

Working Pressure:

- Operating Pressure: 10 to 13 barg.
- Design Pressure: 16 to 18 barg.
- Test Pressure: 24 barg.

Model No.: RK - HYD - 401

Accessories:

- Auto Drain Ball Valve
- Bib Nose Globe Valve, Gate Valve or Pressure Requlating Valve
- Cap and Stainless Steel Chain
- Buerfly Valve
- Pumper Connection

Model No.: RK - HYD - 501

Landing Valve

Landing valve is designed to be installed on wet risers in buildings for fire fighting purposes. It is an important source of water which is crucial for fighting fires on any level of your building. They are installed on hydrants, a branch and hose is connected to a coupling on it. By rotating the wet riser landing valve handle anti-clockwise, you can simply activate the water flux in the fire hydrant system.

Arka Sanat provides fire hydrant landing valves in BSI/ FM approved.

- Oblique type
- Right-angle type
- Pressure regulating
- Horizontal type
- Bib-nosed type

Specification:

- Standard: BS 5041-1
- Connection: Flanged/ Threaded
- Body: Copper alloy, T≥3mm
- Handwheel: Cast iron/ aluminium alloy
- Test: 22.5 bar
- Surface: Rough copper/ red or yellow paint

Pressure Regulating Globe Valve:

These valves can be used in high-rise buildings to ensure the pressure will remain constant irrespective of location. The Arka PRV's can also be used in ring mains where normal pressure may exceed the safe operating pressures of the portable firefighting equipment.
Manufactured in corrosion resistant Gunmetal the PRV's are perfectly suited for use in marine environments.

Pressure Regulating Globe Valve

Model No.: RK - LAN - 501

Model No.: RK - LAN - 502

Globe Valve 2 1/2" Angle 180

Model No.: RK - LAN - 101

Globe Valve 2 1/2" Angle 90

Model No.: RK - LAN - 201

Bibnose 2 1/2"

Model No.: RK - LAN - 301

Bibnose 2 1/2"

Model No.: RK - LAN - 301

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Fire Monitor

Arka Sanat is a specialist in designing, manufacturing and servicing Fire Fighting Monitors both for land and marine applications. We are specialized in heavy duty, special designed and machined monitors in full stainless steel with a state-of-the-art control system and features that add value to the owners, operators and fire-fighters, Our monitors are fully adjustable and provide flow rates of 1000 to 8,000 lpm as follows:

- Manualy Controlled Foam/Water Monitor
- Gear Type Monitor
- Station Monitor
- Double Gun Monitor
- Self-Osscilating Monitor
- Remote Control Monitor
- Mobile and Trailer-Mounted Monitors
- Tower Monitor
- Branch Pipe & Nozzles

Standard Reference:	NFPA 16, NFPA 24, BS 336
Body Material:	Ductile Iron, Cast Iron, Gunmetal, Stainless Steel
Operation System:	Hand Lever, Gear Type, Self-Ossiclationg, Remote Control Electrical or Hydrauli Type

Applications:
Monitors are found where there are substantial Class B fire risks, Nearly all industrial fire hazards are candidates for monitor protection, but some of the more common applications are:

- Refineries
- Petrochemical
- Fuel distribution depots
- Chemical plants
- Warehouses
- Helicopter landing pads
- Aircraft hangars
- Loading jetties
- Process plants
- Industrial process areas
- Shipping
- Vehicle-mounted

Lever Type Fire Monitor

RK-MO-101 model lever operated manual monitors are constructed with Carbon Steel, Stainless Steel, Brass and Gunmetal materials from 21/2" up to 4" water ways and up to 5000 l/min flow rates. These monitors are used for hazards where quick aiming of the firefighting water or foam immediately to the fire source is necessary, thanks to its unlimited directional horizontal movement capacity with no dead point. Grub screw type levers are used to block joints in desired position.

Specification:

- Control Type: lever (Manual)
- Size:2 1/2" to 8"
- Inlet connection Size:4'' 150#FF Flanged, ANSI B16.24
- Flow Rate:2000 LPM@7bar 45 m (water/foam) horizontal throw
- Horizontal Rotation: 0 to 360°
- Vertical Rotation: -40 to +80°
- Material :Carbon Steel, Brass, Gunmetal, Stainless Steel
- Design Pressure: 16 barg.
- Test Pressure: 22.5 barg.

Including:

- Foam/Water Nozzle, manual adjustable pattern(Fog/Jet/shut off)
- Isolating Valve: Butterfly valve
- Pick up tube, ball valve in pick up tube

Many monitor model are available including manual with a variety of nozzle options including master stream non-aspirated monitor nozzles, and air-aspirating nozzles.

Model No.: RK - MO - 101

Gear Type
Fire Monitor

Geared monitors are used for a number of applications, and in particular for trailer mounting. The gears make the horizontal and vertical movement of the monitor easy to change. Geared monitors are therefore ideal for protecting a variety of small, high risk areas in a terminal at different heights and distances (small fuel storage tanks and bunds for example). In fixed monitor applications, geared monitors can be used on risks demanding high application rates of water or foam. As the geared hand wheels make it easy to control the monitor precisely.

Model No.: RK - MO - 201

Model No.: RK - MO - 201

Double-Wterway Fire Monitor

Used in areas requiring greater capacity and velocity than hand-held lines. Will direct water, protein foam, or synthetic foam at a rated flow up to 4500 lpm at 7 bars. Capable of 360° rotation on horizontal axis, 120° on vertical axis.

Regularly Furnished:
Cast brass body with red finish and polish brass trim, less nozzle and stream straightener. Single wheel-vertical worm and gear control. Grease fittings at swivel joints for lubrication, 21/2" male outlet.

Product Details:

- Material: Carbon Steel, Gunmetal, Cast Brass Body with Polished Brass Trim
- Pressure: 7 to 12 barg
- Horizontal Travel: 360°
- Vertical Travel: 120°
- Flow Rate: 2800 to 4500 lpm
- Inlet: 2.5" Female , 3" Male , 4" Flange , 3.5" Female , 4" Male
- Outlet: 2.5" NST Male
- Handle Type: Handle, Gear type
- Finish: Red Enamel

Model No.: RK - MO - 301

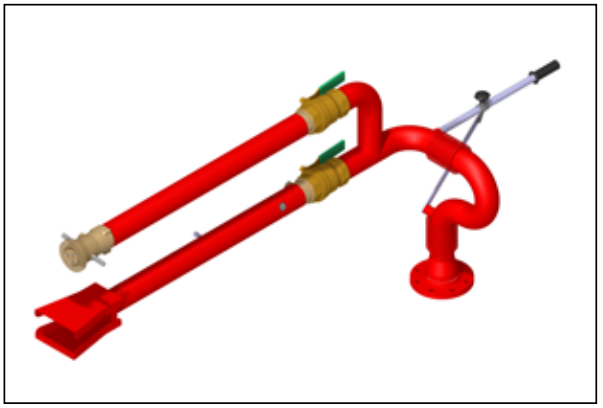
Used where associated hazards require a greater flow/ effective reach of water or foam solution to be delivered from a fixed location and Corrosion-resistant cast brass construction with 360° horizontal rotation with twist lock mechanism.
Vertical travel controlled by lever and twist lock mechanism, Ball-mounted swivel with grease fittings for lubrication, Low friction loss, unobstructed waterways 2 1/2" dual waterway, 4" 150# ANSI flange base, standard (2 1/2", 3" or 4" Male or Female NPT or 3" 150# ANSI flange base, optional)
Hydrant base with hose outlets or hydrant mounting assembly with master stream nozzle, foam-educting nozzle or deluge tip.

Model No.: RK - MO - 302

Double Gun Fire Monitor

Duble Gun Monitor is made of carbon stall, stainless steel and copper alloy. it has a powerfull fire extinguishing effect with it double pipe design.The monitor can be positioned at any horizantal or vertical direction.
this fire monitors are manufacturer in two type operated: lever type and gear type.
Large folw rate, distant range and discharging range are its features. this monitor is simple and convenient to operate, if you 're interested in our fire monitors, please do not hesitate to contact us.

- Model: Double Gun RK-MO-401
- Capacity: 5000 lpm
- Max Pressure: 16 barg
- Inlet: Flange #150, 4" and 6"
- Horizantal Rotation: 0 to 360 dgree
- Vertical Rotation: -45 to +75 dgree
- Weight: Approximatly 170 kg
- Finish: Red
- Body Material: Stainless Steel
  Carbon Steel
  Copper Alloy



Model No.: RK - MO - 401

Model No.: RK - MO - 402

Self Oscillating Fire Monitor

Arka Sanat Oscillating Monitors are designed to automatically oscillate over a preset arc upon system activation, allowing discharge over a wide design area without manual intervention or the use of electrical power. These are intended for use in firefighting foam systems according to NFPA 11, NFPA 409, and/or NFPA 418, typically found in high risk areas such as tank farm facilities, refineries, aircraft hangars, warehouses, petroleum storage areas, tankers, fire-fighting ships, and oil drilling platforms, heliports and it can also be mounted on mobile fire-fighting equipment.

Self-powered oscillating unit with automatic horizontal movement. Can be deactivated or adjusted angle of coverage as necessary. Equipped with monitor and appropriate nozzle.

The Arka Sanat Oscillating monitor is designed for unattended operation with a Pelton wheel drive the oscillation is driven by mains water and the angle and speed adjustable making it ideally suited for onshore and offshore installations.

Model No.: RK - MO - 501

Features:

- Single waterway
- Undivided water stream
- Low pressure loss
- Unattended operation
- Self oscillating using mains water
- Pelton wheel drive
- Adjustable angle and speed of oscillation
- Oscillation arc can be set at regular intervals within 360 degrees
- Quick change to manual operation via quick release knob
- Elevation +85 degrees
- Depression -70 degrees

Remote Control Fire Monitor

Automatic monitors are devices used to deliver large amounts of water or water/foam solution to remote targets.
These Monitors can be controlled manually via local Mechanisms or automatically by means of actuators and remote control stations.Arka Sanat is a well known manufacturer of industrial heavy duty fire fighting monitors and control systems with a strong expertise in electric, electro-hydraulic and hydraulic controls. The monitors are available with a full bronze body suitable for heavy duty application such as aggressive chemicals plants or offshore platforms. Manufactured with extreme care, every piece is designed to withstand extreme conditions granting a very long product lifetime. In this respect the variety of special materials or surface treatments makes this equipment very robust. Depending on the application the monitors can be equipped with jet/fog nozzles or branch pipes designed for water and water/foam solution. The automatic movements on the horizontal and the vertical plane as well as the stream control (jet/fog) can be provided with hydraulic, electrohydraulic or electric actuators.

Automatic monitors are often selected to protect marine terminals or refining installations where it is required to approach the fire from a certain height above ground. In this respect Arka has developed a series of self standing modular designed structures that may be used to set up monitors at the highest level above protected targets. The structure is manufactured in module and designed for easy erection on site.

This series fire fighting monitor represents one of the most advanced automatic monitors available nowadays for the fire industry. The Monitor is designed to withstand extreme harsh and adverse environmental conditions offering to designers durable Bronze and Aluminium Bronze castings with waterways ranging from 3" to 6". The monitors are ideal for high demanding installation such as jettys, harbours, refineries, chemical and offshore installations.
Remote monitor is available as an automatic monitor with a selection of three controls: hydraulic, electric and electro-hydraulic.

Portable Fire Monitor on the Trailer

The Arka Sanat Monitor Trailer is designed to meet modern industrial firefighting and protection needs, especially for mitigating hazards involving flammable liquids in storage and gases under pressure. It is a mobile large-volume discharging platform capable of delivering up to 22,700 lpm water or foam solution for fire suppression, cooling, personnel protection, toxic gas dispersion and more. Its optional Hydro-Chem capability delivers dry chemicals to extinguish 3-dimensional fires or gas pressure fires. If more flow is needed, maximum flow rate of 30,000 lpm is available on selected models.

The Arka trailer features an A-frame tow bar construction with integral waterway, an internal ballast and an external toolbox. The trailer has been purposely designed to reduce weight and maximize manoeuvrability with stability safety factor achieved by the water ballast tank to increase weight once staged for deployment.

Arka Fire Monitor Trailer is a foam/water delivery device equipped with a self-educting gladiator nozzle. It features straight stream to fog pattern adjustability, turn and click flow adjustment and a self leveling stability system. It delivers outstanding foam range and foam quality. Flow ranges available from 1,500 to 3,000 gpm. This unit's compact and lightweight design offers the capability of manual deployment.

Model No.: RK - MOT - 101

Model No.: RK - MOT - 102

Model No.: RK - MOT - 103

Model No.: RK - MOT - 104

Fire Monitor Nozzles

Arka Sanat offers a wide range of Light Alloy or Bronze Monitor Nozzles in either Standard or Self-Inducing models. Designed for use with Arka's Portable and Fixed Monitors the nozzles provide jet and spray functions and a range of pre-selectable flow settings to suit each individual application.

Manufactured to exacting standards the Arka range is suited for use with either foam or water providing a wide spectrum of options for any risk scenario. The Standard Nozzles offers a selection of flow ranges and can be used with water or foam when used in conjunction with an in-line foam inductor.
All Standard Monitor Nozzles have a range of pre-selectable flow options easily changed via a simple flow selector at the front of the nozzle. Constant Flow and Select Flow options are available.
An automatic version that regulates the flow according to inlet pressure is the ideal choice for situations where pressures are prone to vary ensuring that performance is maintained.
Supplied as standard with 2½" BSP female threaded inlets for compatibility to Arka (and equivalent) Fire Monitors.






Arka fire monitors (water cannons) integrate the latest firefighting technology and are designed and tested to provide the finest water flow appliances on the market. Our expanded fire safety line offers a wide variety of fire monitors from small to big flow, portable to apparatus-mounted solutions, and fixed-site systems. Whatever the application, Arka has a water cannon to meet your needs.

Browse our selection of brass, pyrolite, stainless steel, electric firefighting monitors.

Specification:

- MONITOR NOZZLES - SELF-INDUCING
- Model: RK-NZ-100 to 600
- Inlet: 2 1/2" BSP Female
- Flow Type: Constant Flow, Fog/Jet
- Material: Light Alloy, Copper Alloy, Stainless Steel
- Flow Settings: 450 to 5000 LPM

Features:

- Designed for use with Delta Portable and Fixed Monitors
- Jet/Spray Functionality
- Self-Inducing
- Flow Rate Options
- Constant Flow
- Aluminium & Marine Bronze Models
- Rugged Construction
- Reliable Performance

Users:

- Marine & Off-Shore Sectors
- Fire & Rescue Services
- Major Industrials
- Fuel Storage Sites
- Oil & Gas Installations
- Petrochemicals
- Waste Recycling
- Chemical Facilities

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Tower Monitor

Fire monitor tower is a kind of auxiliary equipment used for installing fire monitor in high place. It is designed and made according to NFPA standard. The tower can be installed with platform of single layer, double layers or three layers.
The parameter list is made according to natural climatic conditions such as regional windload, seismic intensity and so on. It is just for reference. The influence of winter icing on foundation and tower structure shall be taken into consideration in northern cold and freezing area.

Model No.: RK - MOT - 101

Model No.: RK - MOT - 102

- Max. height of platform: 25m
- When tower has one of the following conditions:
  It has more than two platforms;
- Basic pressure (100 years of return period) in
  the installation site is above 0.85kN/m2
- Total recoil of the monitor is more than 7.5KN. The column base with sheering resistance kz should be used to protect the foundation bolt from being destroyed by shearing force.
- Pressure grouting for the second time is necessary when the
  vertical loading of the tower is in its place.


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LIBERTY
LONG BEACH

Post Indicator Valve

Arka Sanat Post Indicator Valves POS-100 series are designed to operate non-rising stem (inside screw) gate valves, which are used to control an underground water supply to automatic sprinkler, water spray deluge, fire water line, foam-water deluge, or standpipe fire protection systems. PIV permit operation of underground valves while providing an above ground useful visual indication as to whether the valves are open or shut, in addition to a means for locking the valves in a particular position. The valve posts provide for valve operation from outside of the protected property and therefore the opportunity for immediate valve operation in an emergency situation.

Specifications:

- Indicates if the valve is in the open or shut position.
- The indicator post provides a means to operate a buried or otherwise inaccessible valve.
- The adjustment range of the indicator post is 34.5" to suit the deeper buried valve and can be easily adjusted in the field.
- The wrench handle fits over a "U" bracket on the barrel, and may be fixed with a padlock to secure the operation wrench to the barrel.
- Size:
  - Model RK-POS-101 for valve sizes 3"-12".(Lever Type)
  - Model RK-POS-201 for valve sizes 14"-24". (with Integral Reduction Gear)
  - Valve Size: 3" to 24"
- 250 PSI maximum working pressure 3 – 24"
- Indicator posts are extendable after installation
- Indicator posts are tapped (plugged) for control valve supervisory switch installation.

Model No.: RK - POS - 101

Post Plate Valve

Post Plate Valve same as post indicator valve with resilient Wedge Gate Valves and Indicator Post Flange have Triple O-ring Seals, Non-Rising Stems with a 2" square Wrench Nut and are available with several different end combinations. These are used as line valves posts and as auxiliary valves with fire hydrants. An Indicator Post is attached to the valve to indicate if buried valve is open or closed. The Indicator Post Flange and O-ring Stuffing box combination is a separate part from the bonnet, and is easily removed or replaced if the need should occur.

Material Description:

Snap Ring: AISI066
Tor Section: C.1ASTMA126 Class B
Openating Nut: Bronze ASTMB62 C83600
Window Glass: Lexan-Un Stabilized
Hex Capscrew, Nut: C.S.ASTMA307B
Plug: Malleable Iron
Target Carrler Nut: St. Steel GR.304
Locking Wrench: D.I.ASTM A536 65-45-12
Body: C.1ASTMA126 Class B
Stem Square: AISI 1045
Screw: A2-70
Washer: CS.Zinc Plated
Wrench Nut: DI.ASTMA536.GR.65-45-12
Standpipe: C.S.ASTMA53
Dust Sealing: NBR
Cotter Pin: SS.AISI 304
Gland: X20CR13
Gland Gasket: Graphite
Bearing: #32907
Input Stem: X20CR13
Key: Carbon Steel
Housing Cover: C.1ASTMA126 Class B
Gasket: NBR, PTFE
Input Gear: ANSI 1045(#45)
Housing Cover Gasket: NBR
Gear: DI.ASTMA536.GR.65-45-12
Housing: C.1ASTMA126 Class B
Output Gear: ANSI 1045
Gear Stem: SS304
O-Ring: NBR
Eye Bolt: C.S.ASTMA307B
Clasp Ring: Bronze
Bonnet: DI.ASTMA536.GR.65-45-12
Stem Nut: Bronze
Wedge Disc: DI.ASTMA536.GR.65-45-12+EPDM

Strainer

Arka Sanat offers Strainers in different styles to meet varying installation requirements. All styles of strainers are equipped with accessories.
Arka Strainers manufactured based on the latest modern technical processes and complies with the best international standards. It has different styles and different types.
in genral Arka Sanat offers four types of strainers as follow:

- T-Type Strainer
- Y-Type Strainer
- Basket-Type Strainer
- Conical-Type Strainer

We can imagine that you still have some question about you own specific sicuation after reading this leaflet. for more information about strainer please refer to our strainer catalogue or contact us.

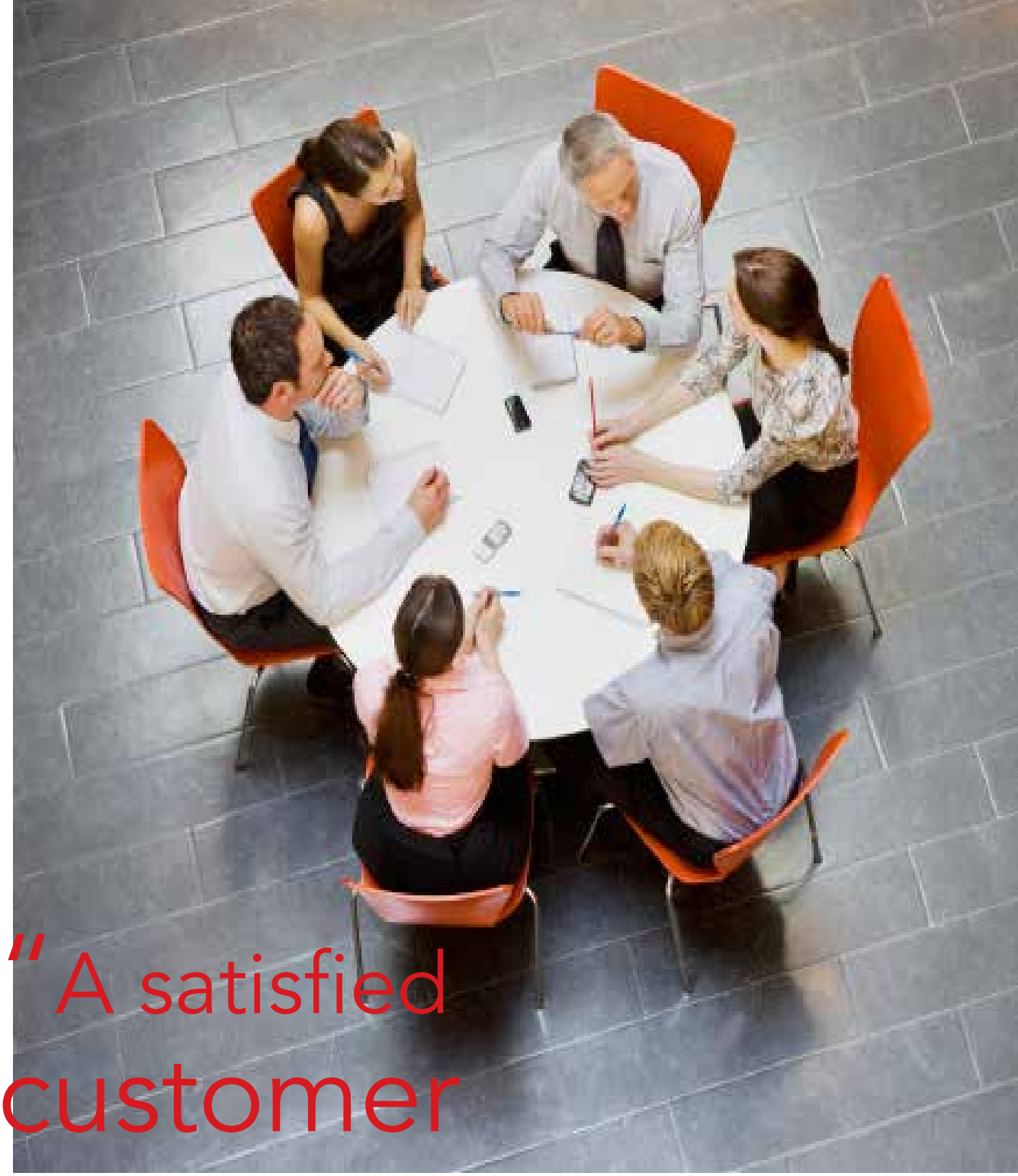


Butterfly Valve

The butterfly valve is an open or close 1/4 turn valve which also allows you to do regulation. These valves are especially adapted for general uses and non-viscous industrial fluids.
Arkka Sanat Supply Three type of butterfly valve as follow:

- Wafer Type
- Lug Type
- Flanged Type





"A satisfied customer is the best business strategy of all"

Every client is unique, every situation is different. Practices turn to Arka Sanat for lots of reasons. But, in most cases, it distills down to a single word: Trust.

- Trust in our experience.
- Trust in our solutions.
- Trust in our results.

Contact Us

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