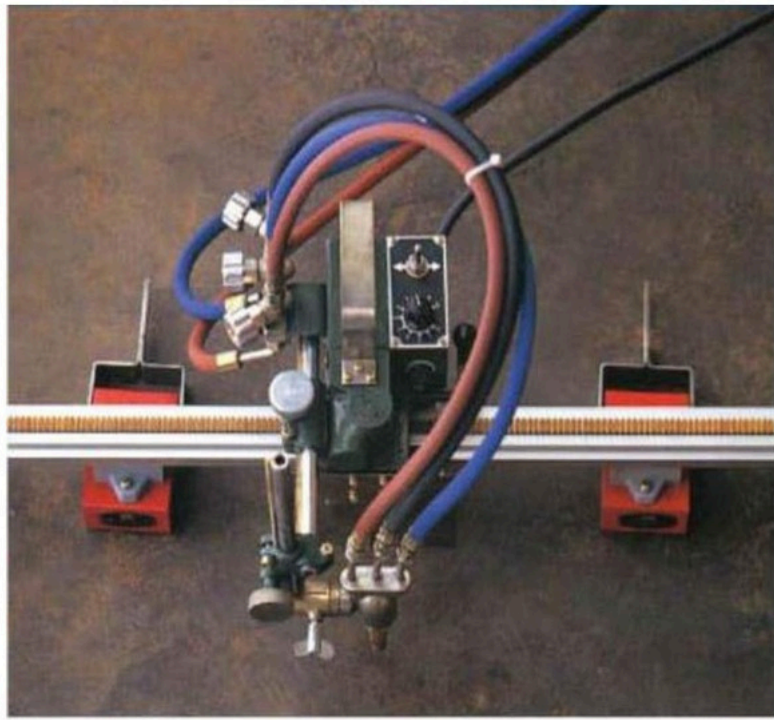


BA -270 is an all position **Gas Cutting** machine which can travel on **Magnetic Rails** on **Horizontal, Vertical** and even **curved surfaces**.



The 1.5 mtr long 1D Rail made of Aluminum with four magnets allows cutting on a straight line.



The 1 meter long 3D flexible rail made of Rubber with five magnets allows cutting on a curved shape on a flat surface or curved surface.

Specifications:

Cutting Thickness	Diameter	Cutting Speed	Cutting Bevel	Power	Motor
5~50mm	2,000mm	100~700mm	0~45°	AC 220V	DC 100V 15W RPM 8,000
1-D	Weight	8.2kg	Length	1.5m	
3-D	Weight	9.0kg	Length	1m	

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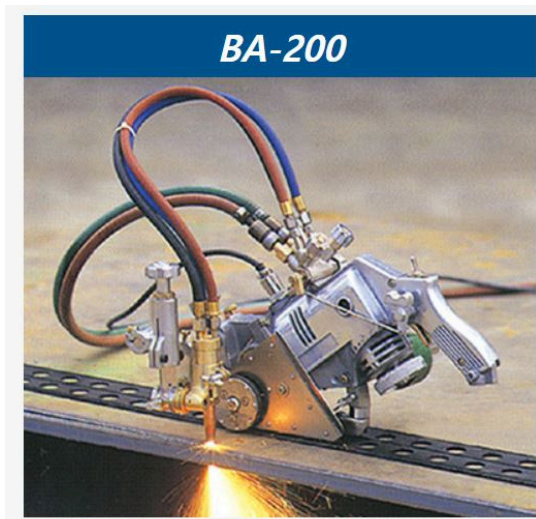
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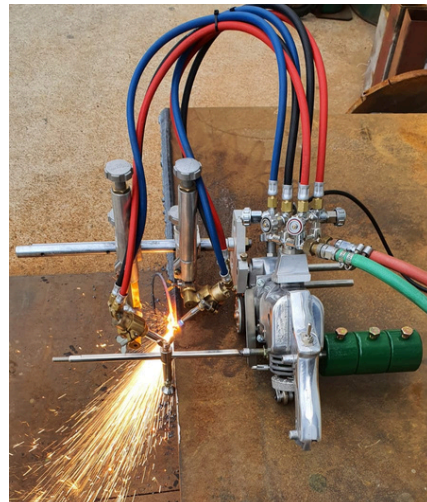
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BA 200-2T Double torch portable gas cutting machine for EdgePreparation



BA 200-2T on Track



BA 200-2T on Edge Tracing Guide

Key features:

- **BA 200-2T is a very compact machine**
- **BA 200-2T is equipped with two NM cutting torches for precise cutting with TANAKA Japan nozzles as per WES 2801**
- **Both torches can be set at bevel angles up to 45 degree to cut V or K bevel**
- **BA 200-2T is supplied with Edge tracing mechanism for running without a track**
- **BA 200-2T can be supplied with optional track**
- **BA 200-2T can cut circle with an optional circle attachment**
- **Easy Pistol grip makes precise manoeuvre possible**

Specifications:

- Input Voltage : AC 220V 1 Phase
- Weight of the unit with two Torches: 10.5 kg
- Length : 425 mm
- Speed range: 50~1000 mm/min
- Cutting capacity: 5 ~50 mm with two torches
- Length of Optional Straight rail : 1800 mm
- Weight of straight rail: 3 Kg
- Diameter for Circle cutting Optional attachment : 80 ~2100 mm
- Balance weight of Circle cutting attachment: 1.4 Kg

****Note: In view of continuous development specifications are subject to change**

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E.mail: production.gasflow@gmail.com, flowtemp2016@gmail.com

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Contact No. 9823019766. WhatsApp: +91-8390987545 E.mail:

prabirpune@gmail.com, flowtemp2016@gmail.com

BA-503 Diffusion Type Oxy-Propane heating Torch for medium heating applications



KOTECH BA-503 are available in 600 mm/800 mm/1000 mm length
 The Torches can be used with Diffusion Type Burner 3500/4000/5000
 Photo of KOTECH Quick Coupler

Tip No.	Length	Weight	Gas Pressure		Flow Quantity	
			Oxygen	Fuel Gas	Oxygen	Fuel Gas
3,500/4,000/5,000	600, 800, 1000mm	1,400g	4-5kg/cm ²	0.4kg/cm ²	3,500-5,000 L/H	14-20 L/H

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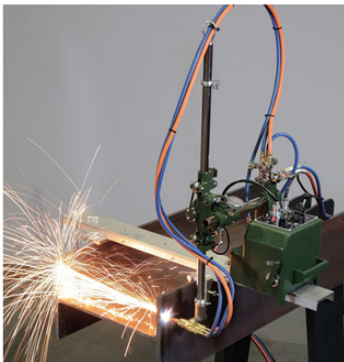
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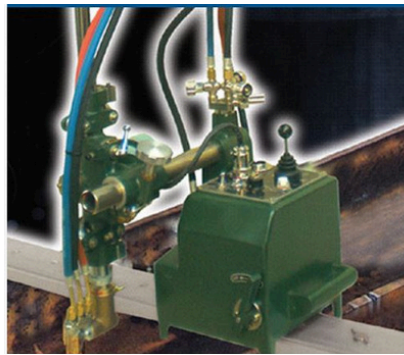
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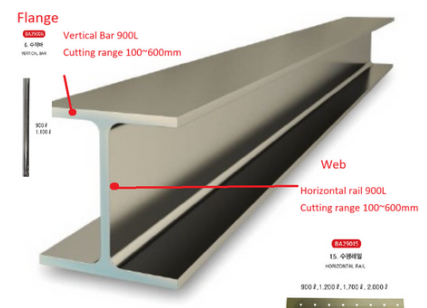
KOTECH BA 290- H BEAM CUTTING MACHINE



**BA 290 Flange
Cutting**



BA 290 Web Cutting



**BA 290 H-beam
Cutting Range**

KOTECH BA 290 is a unique portable gas cutting machine for cutting H Beam faster with precision. It is equipped with two drive Motors for WEB (Horizontal) and FLANGE (Vertical) Cutting. The carriage moves along the rail to cut the WEB horizontally and torch moves up and down vertically to cut the FLANGE. It can be supplied with rails of different length according to the WEB dimension.

**BA 290 H beam Cutting Rail 900L
BA 290 H beam Cutting Rail 1200L
BA 290 H beam Cutting Rail 1700L
BA 290 H beam Cutting Rail 2000L
BA 290 H beam Cutting Rail 3000L**

Specifications:

- I-Cutting Thickness: 5 to 50 mm
- Bevel Angle (web): 35 degree
- Bevel Angle(Flange): 45 degree
- Cutting Speed :100 ~ 700 mm/min (WEB & FLANGE)
- Horizontal Motor : DC 90V/15 W
- Vertical Motor: DC 100 V /15W
- Power Supply : 220V 1 PH
- Weight: 20 Kg
- Cutting Nozzle: TANAKA 3051 # 0,1,2 (Oxy LPG)

****Note: In view of continuous development specifications are subject to change**

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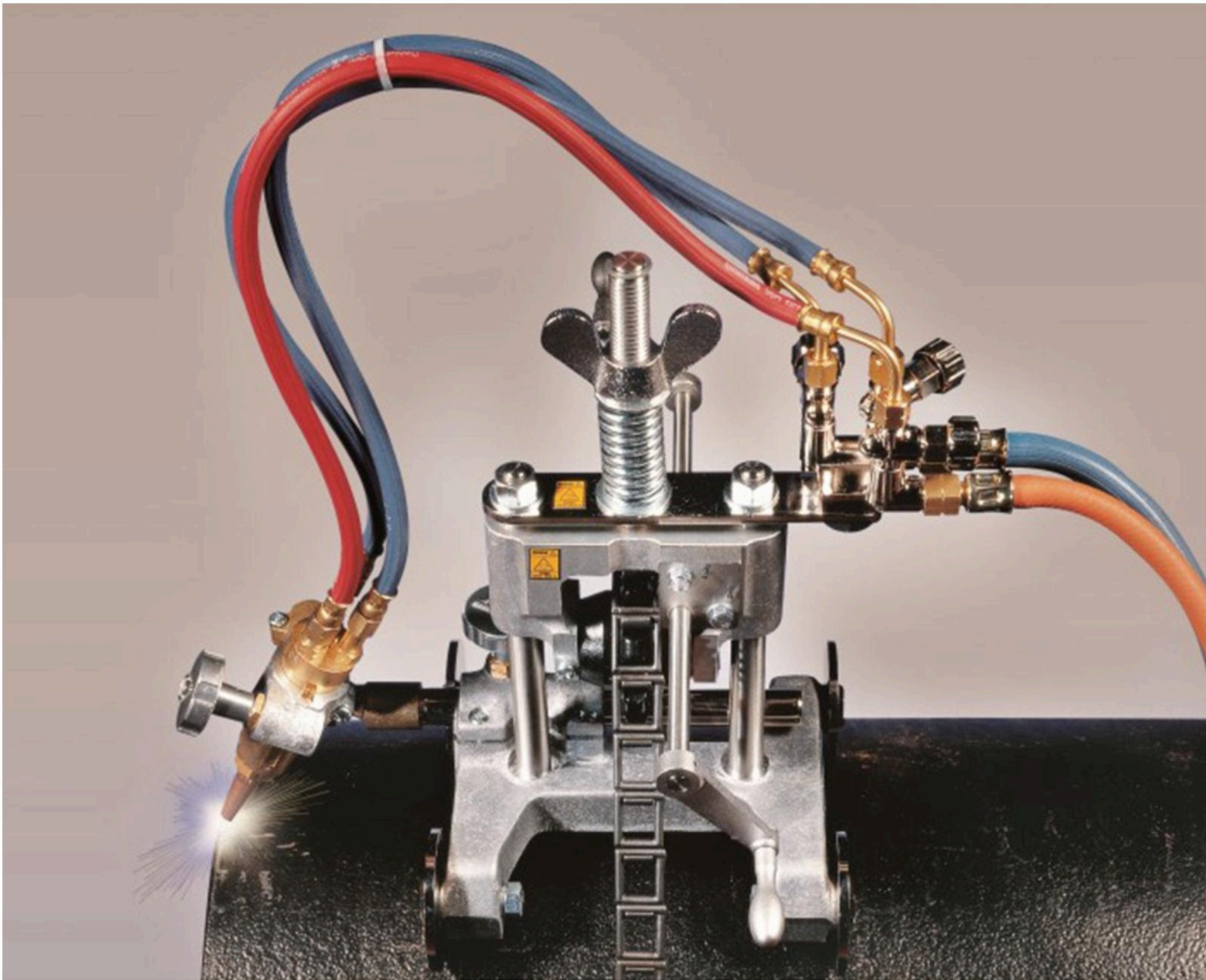
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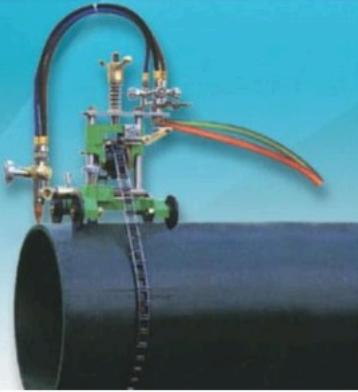
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PORTABLE GAS PIPE CUTTING M/C (CHAIN)**BA-240 / 242 / 260**

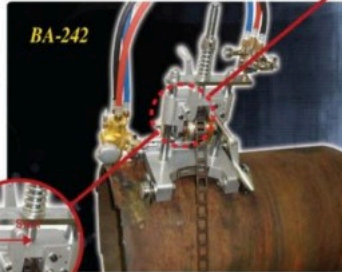
The BA-240/ BA-242/ BA-260 are portable Manual pipe cutting machine with a chain and gear drive system.

- Cutting of any size of pipe between 120-600mm / (4"-24") is possible with a standard chain.
- The Drive Chain consists of simply designed, cleanly interlocking links.
- Links are easily added or removed for rapid change for pipe of different diameters.
- The control valves for fuel, preheat oxygen and cutting oxygen are located away from the heat. They are conveniently placed for easy operator use.
- Weighing just 13.00 kg, BA- 240 is hard working gas pipe cutting unit and offers low maintenance, easy operation and true portability.
- The drive is through a large worm and wormwheel. The low gear ratio result in extremely smooth travel.
- A graduated bevel collar ensures accurate bevel setting.

BA-240



수동 파이프 절단기 (클러치 타입) Manual Pipe Cutting M/C (Clutch Type)
* 클러치 레버 조작으로 신속한 절단기 위치 조절



How to adjust length of the chain

The length of the chain can be adjusted by links, making it easy to Match the chain to the circumference of the pipe.

The number of links required for a given job can be calculated as follows: **Number of links = Pipe diameter × 1/10 + 13**

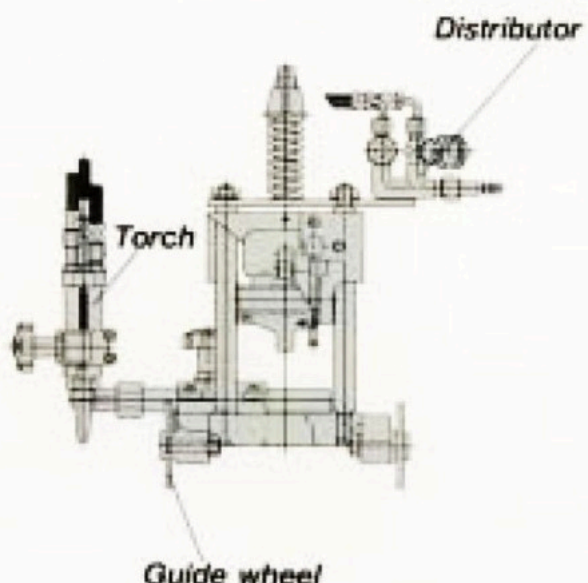
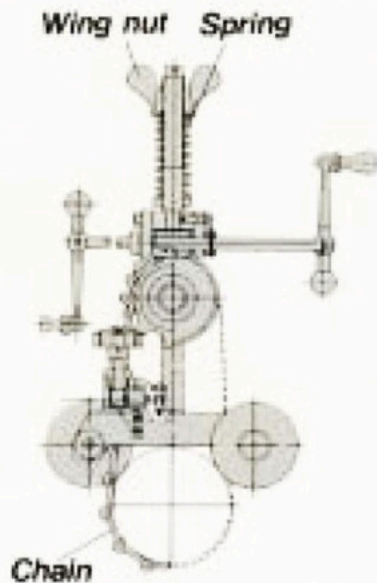
Example calculation:

Number of links required for cutting 200mm dia pipe
(200 × 1/10) + 13 = 33

The cutting machine can easily be set at any part of the pipe that is convenient.

Specifications of BA-240 :

Effective Pipe diameter	120~600mm dia (4"~24") by Standard chain (2.4m=96") Over 600mm dia by extra chain addition
Cutting Thickness	Up to 80mm
Cutting Shape	Square and bevel (Up to 45)
Drive Method	Manual
Nozzle	TANAKA3051 (LPG), 3040 (ACT)
Chain Length	2400 mm long (Standard)



PORTABLE PIPE CUTTING M/C Series

- BA-240 : Manually operated machine (Chain)
- BA-242 : Manual Clutch Type Gas Pipe Cutting Machine (Chain)
- BA-260-1 : Magnetic Pipe Cutting Machine (No Chain)
- BA-260 : Motorized Pipe Cutting Machine (Chain)

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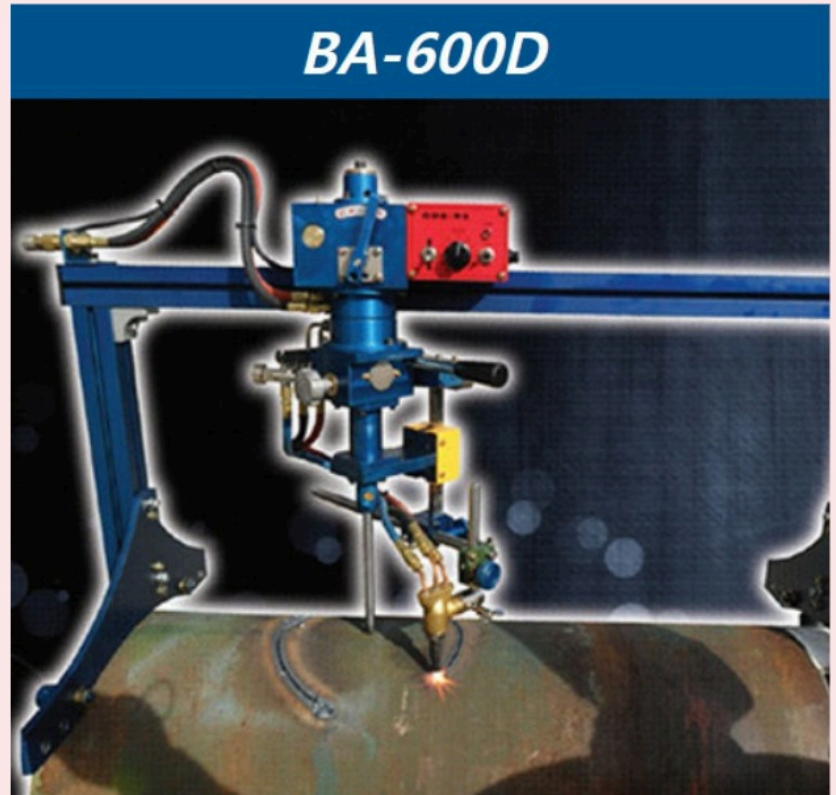
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KOTECH BA 600D is a unique portable automatic Pipe hole cutting machine for cutting holes on large diameter pipes, tanks, pressure vessels etc.

Technical Specifications:

- * Input Power 220V 1 Ph 50 Hz
- * Weight of the Machine with torch: 22 Kg
- * Dimension:
1,100 mm X 550mm X700mm
- * Cutting Thickness 5 ~80 mm
- * Bevel Angle 0~45 Deg
- * Cutting Speed : 20 ~500 mm/min
- * Applicable main pipe
dia > 800 mm
- * Ratio between Branch:
Main Pipe>1:2
- * Motor: Condenser Type



The machine torch mounted on KHC-600D can cut circular shapes vertically when mounted on flat surface and cut bevel Circle when mounted on curved surface of storage tank or heat exchanger through its unique lever mechanism saving substantial labour in marking, manual cutting & surface grinding

Special features:

1. Portable & easy to mount on top of the Cylindrical job
2. Bevel cutting upto 45 Degree
3. Nozzle mix No back fire torch & TANAKA nozzle for excellent cut surface as per Japanese standard WES 2801
4. Special rotating Gas distributor avoids hose entanglement during torch rotation
5. Effective Circle cutting diameter 80 ~600mm but can be extended upto 700 mm

Due to continuous development we reserve right to change specifications as & when required

Sold & Serviced in India

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QUICK GAS SAFETY COUPLINGS



Safety Coupler is a Gas Cutting/ welding/ heating equipment connector for oxygen and gas use.

Features

- Safety Coupler is fabricated as a double safety device, conveniently used during welding and cutting operations.
- Safety Couplings for oxygen use are not interchangeable with those for gas use.
- Safety coupler has a special double safety sealing structure to prevent gas leaks upon connection.
- Plug with anti-backflow check valve instantly prevent undesirable backflow of gases.
- The swivel function of safety Couplings prevent hose twisting and provides a great convenience for welding operations
- Conform To IS 11006:2011

Specifications

Application Size	5/16" 3/8"	
Body Material	Brass	
Sealing Material/ Operation Temperature	Sealing Material	Operating Temperature Range
	Special Rubber	-20 ⁰ C ~+80 ⁰ C

Anti-backflow Check Valve

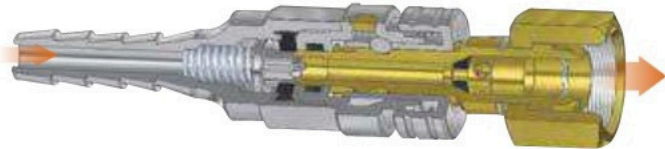
Type	Piston Type
Feature	Check Valve block to resist Backflow of gases and prevent failure of gas applications.

Instructions for use

- Soapy water or gas-tight testing device should be performed for gas testes before use.
- When connected or disconnected there should be no inflammable or explosive materials around the area.
- The sealing area of the plug which is inserted into the socket should be handles very carefully to avoid any damage.
- When couplings are badly dented in a collision, they are not connected firmly which may lead to a gas leak.
- After separation, couplings should be stored in a clean location to keep dust or potentially harmful foreign substances from entering the inside of the socket. The sealing area of the plug should be protected from any impacts.

Direction of fluid flow

Fluid must flow from the side of the socket to the side of the plug

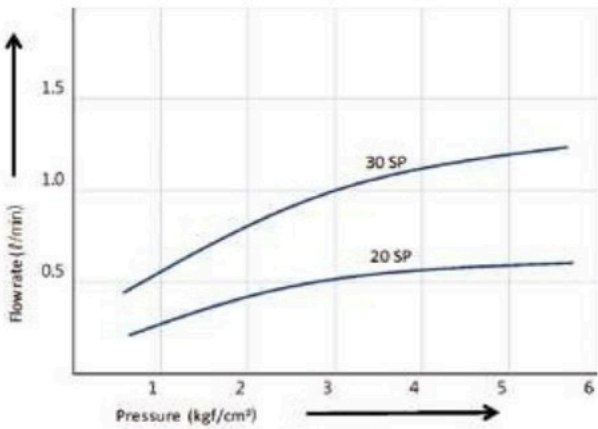


Pressure

Max. Working Pressure	7kgf/cm ²
Oroof Pressure	10kgf/cm ²

Use

Material	Brass
Applicable fluids	Oxygen Acetylene Propane
Use	Gas Cutting Gas Welding Gas Heating



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