



KULDEEP
HIGH PRESSURE
GAS CYLINDER VALVES
TO IS : 3224 - 2002
CCOE APPROVED

QUALITY : Second to None
CONSTRUCTION : Robust, Simple, Interchangeable Components
OUTLET THREADS : Quality Oriented, Superior & Dependable



Mr. Suryakant Karekar
- Prop

Kuldeep Engineering Works leaders in valves for high pressure gas cylinders for fire Extinguishers and others have pioneered in the manufacture and cater the needs more particularly of the Fire Protection on Scenario and automobile industry and board application and engineering industry in general. The company manufacture for CO₂, N₂, O₂ and DCP regulation and cylinders suchas allied products for hire.

Our Products:

- ◆CO₂ Wheel Type Valve ISI
- ◆CO₂ Squeeze Grip Valve ISI
- ◆CO₂ System Valve (A.O.) ISI
- ◆CO₂ Key Type Valve ISI
- ◆CO₂ Puncture Valve ISI ◆Oxygen Valve ISI
- ◆Nitrogen Valve ISI ◆DCP Squeeze Grip Valve
- ◆CO₂ Applicator Valve ◆Modular Valve
- ◆Bulb Sprinkler ◆Nozzles Med.Velocity

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	Brass IS: 319
Hand Wheel	Cast Aluminium / Nylon
Sealing Tip	Nylon

TEST PRESSURE

155 kg/cm²

WORKING PRESSURE

105 kg/cm²

OUTLET THREADS

21.8 mm Dia X 1.814 P. (M)

R.H. Whit Worth Profile

Outlet No - 7

To IS: 3224 - 2002

NET WEIGHT

0.560 kgs

SAFETY DEVICE

Fitted with safety disc.
With burst pressure 200 - 220 kg/cm²

CO₂ WHEEL TYPE VALVE

KEW-01



CO2 SQUEEZE GRIP VALVE

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	Brass IS: 319
Handle	Steel to IS: 513
Sealing Tip	Nitrile Rubber

TESTING PRESSURE

155 kg/cm²

WORKING PRESSURE

105 kg/cm²

OUTLET THREADS

21.8 mm Dia X 1.814 P. (M)

R.H. Whit Worth Profile

Outlet No - 7

To IS: 3224 - 2002

NET WEIGHT

0.575 kgs

SAFETY DEVICE

Fitted with safety disc.
With burst pressure 200 - 220 kg/cm²

KEW-02



CO2 SYSTEM VALVE (A.O.)

KEW-03



MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	Brass to IS : 319
Handle	Brass stick with nob
Sealing Tip	Nylon

TEST PRESSURE

155 kg/cm²

WORKING PRESSURE

105 kg/cm²

OUTLET THREADS

21.8 mm Dia X 1.814 P. (M)

R.H. Whit Worth Profile

Outlet No - 7

To IS : 3224 - 2002

NET WEIGHT

0.825 kgs

SAFETY DEVICE

Fitted with safety disc
With burst pressure 200 - 220 kg/cm²

CO2 KEY TYPE VALVE



KEW-04

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	SS 304
Handle	Steel, close ended spanner
Sealing Tip	Glass filled Nylon

TEST PRESSURE

155 kg/cm²

WORKING PRESSURE

105 kg/cm²

OUTLET THREADS

21.8 mm Dia X 1.814 P. (M)

R.H. Whit Worth Profile

Outlet No - 7

To IS: 3224 - 2002

NET WEIGHT

0.565 kgs

SAFETY DEVICE

Fitted with safety disc.
With burst pressure 200 - 220 kg/cm²

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Puncture Devices	Brass IS - 319
Handle	Brass Forged
Sealing Tip	Nylon

TEST PRESSURE WORKING PRESSURE

155 kg/cm²

105 kg/cm²

OUTLET THREADS

21.8 mm Dia X 1.814 P (M)

R. H. Whit Worth Profile

Outlet No - 7

To IS : - 3224 - 2002

NET WEIGHT

0.655 kgs

SAFETY DEVICE

Fitted with safety disc
With burst pressure 200 - 220 kg/cm²

NOTE

Puncture device is optional
Supplied on request only

CO2 PUNCTURE VALVE

KEW-05



OXYGEN VALVE

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	S. S. - 304
Handle	Steel, close ended spanner

KEW-06

TEST PRESSURE

161 kg/cm²

WORKING PRESSURE

161 kg/cm²

OUTLET THREADS

5 / 8 BSP Female (R.H)

Outlet No - 3

To IS: 3224 - 2002

NET WEIGHT

0.645 kgs.

NOTE

No. Oil or Grease to be used as lubricant
Use of oil cause serious explosion.



NITROGEN VALVE

KEW-07

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	S. S. - 304
Handle	Steel, close ended spanner

TEST PRESSURE

161 kg/cm²

WORKING PRESSURE

161 kg/cm²

OUTLET THREADS

3/4 BSP Dia Male Threads (R.H.)

Outlet No - 20

To IS: 3224 - 2002

NET WEIGHT

0.570 kgs

NOTE

No. Oil or Grease to be used as lubricant



DCP SQUEEZE GRIP VALVE

KEW-08



MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Puncture Pin	S. S. - 304
Handle	Steel Sheet to IS : 513

TEST PRESSURE

25 kgs/cm²

WORKING PRESSURE

15 kgs/cm²

INLET THREADS

Dia 75 X 11 P.R.H. V threads

NET WEIGHT

0.890 kgs

PERFORMANCE

Cap. Kgs	Duration	Jet Throw
10	23 Sec. Min 30 Sec. Mix	± 6 metre
Discharge	85% by mass	

NOTE

Cartridge type, with puncturing device

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Spindle	Brass IS : 319
Handle	Steel to IS : 513
Sealing Tip	Nitrile Rubber

TEST PRESSURE

155 kg/cm²

WORKING PRESSURE

105 kg/cm²

OUTLET THREADS

Dia 3/8 BSP Male Threads

NET WEIGHT

0.765 kgs

KEW-09

CO2 APPLICATOR VALVE



MODULAR VALVE

MATERIAL OF CONSTRUCTION

Valve Body	High Tensile Brass Forging
Heat Sensitive Unit	Quartzoid Bulb (Dia 8 mm)
Deflector	Brass sheet

TEST PRESSURE WORKING PRESSURE

30 kgs/cm²

15 kgs/cm²

BULB TEMP. RANGE & COLOUR

57 Degree C / 135 Degree F - Orange

68 Degree C / 155 Degree F - Red

79 Degree C / 175 Degree F - Yellow

93 Degree C / 200 Degree F - Green

141 Degree C / 266 Degree F - Blue

INLET THREADS

Dia M 30 X 1.5 P

NET WEIGHT

0.215 Kgs

NOTE

Deflectors can be supplied on customers requirement also.

KEW-10



BULB SPRINKLER

KEW-11



MATERIAL OF CONSTRUCTION

Body	High Tensile Brass Forging
Heat Sensitive Bulb	Quartzoid Bulb (Dia 8 mm)
Deflector	Brass sheet

TEST PRESSURE WORKING PRESSURE

30 kgs/cm²

12.4 kgs/cm² - Max

BULB TEMP. RANGE & COLOUR

57 Degree C / 135 Degree F - Orange

68 Degree C / 155 Degree F - Red

79 Degree C / 175 Degree F - Yellow

93 Degree C / 200 Degree F - Green

141 Degree C / 266 Degree F - Blue

INLET THREADS

½ BSPT (½ NPT Optional)

FINISH

Brass / Nickel & Chrome Plated

NET WEIGHT

0.080 kgs

NOTE

Specify finish & temp. rating while ordering

NOZZLES MED. VELOCITY

KEW-12



MATERIAL OF CONSTRUCTION

Body	High Tensile Brass Forging
Deflector	Brass sheet

TEST PRESSURE

30 kgs/cm²

WORKING PRESSURE

Max - 7 Kgs/cm² / 100 PSI

Min - 1.4 Kgs/cm² / 20 PSI

$$K \text{ FACTOR} = \frac{\text{FLOW IN LPM}}{\sqrt{\text{PR in kgs/cm}^2}}$$

24, 28, 31, 36, 41, 45, 51, 57, 61, 66

SPRAY ANGLE

60°, 75°, 80°, 90°, 100°, 110°, 120°, 140°

NET WEIGHT

0.108 kgs

NOTE

Nozzles are available in any combination of K Factor & Spray Angles

$$\text{U.S.K. Factor} = \frac{\text{metric K Factor}}{14.2745}$$

Our Esteem Clients:



Medical Engineers
(India) Limited



Reach Us:

Kuldeep Engineering Works

A/18 & A/17-A, Ghatkopar Industrial Estate, LBS Marg, Ghatkopar (W),
Mumbai - 400 086, Maharashtra, India. • Mobile: +91-9930683685
• Tel no.: (022) 25008879 / 25008822 • Fax. No.: (022) 25008822
Email : karekarvalves@vsnl.net • Website : www.kuldeepengg.com