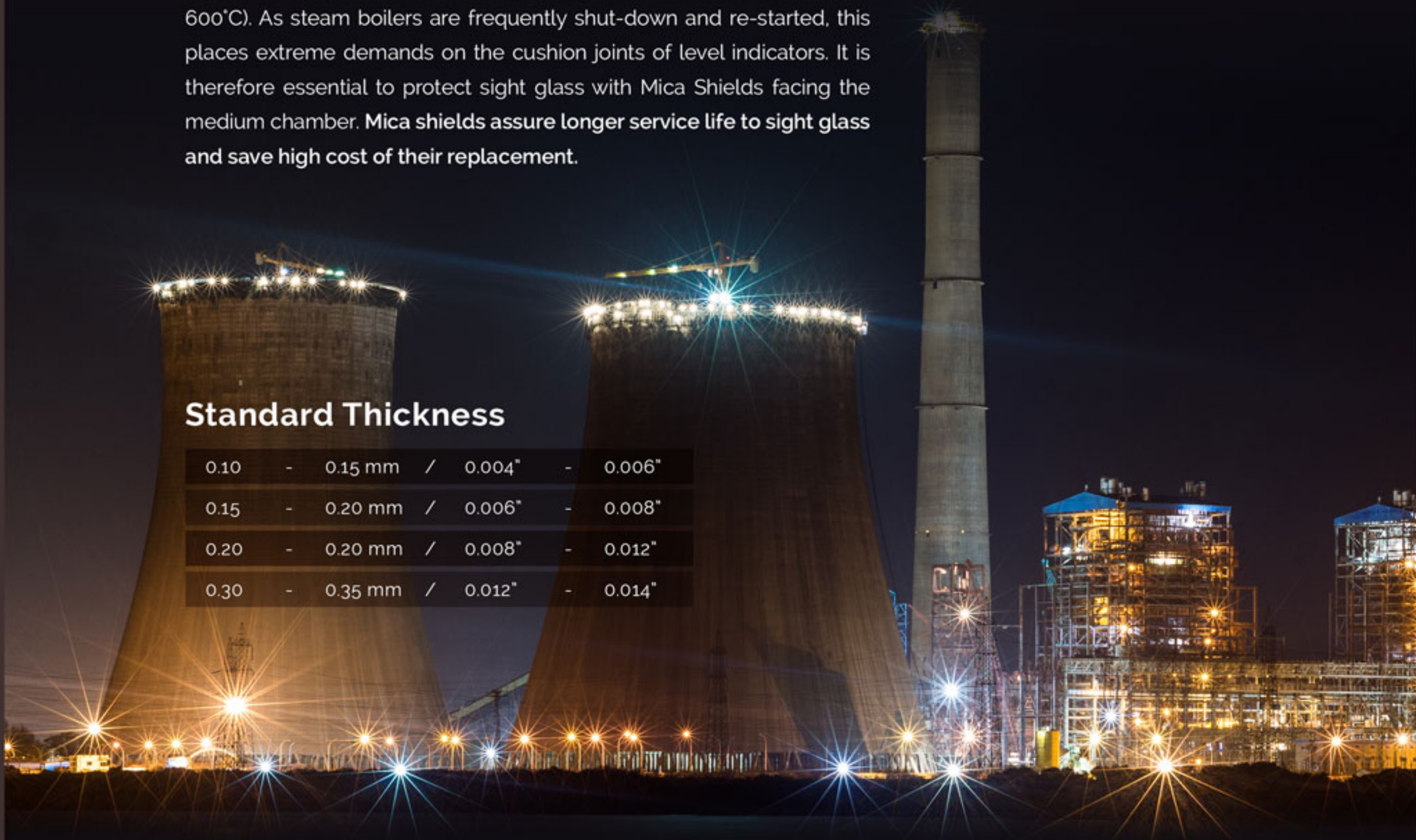


Special Features

- Mica shields are produced from finest quality natural **MICAMAFCO Muscovite Ruby or Green Micas**. They are hard, flat, and transparent of uniform colour and are completely free from air inclusions, surface scratches, cracks, holes or any physical defects. They are 'laser' or 'lathe-cut' to precision dimension shape, size and thickness.
- Mica shields are having high degree of through vision transparency and provide optimum visibility and safe observations of fluid flow or corrosive media viscosity and a clear reading of water / steam in boiler drums. The transparency of mica is not affected by repeated fluctuations of heating and cooling at extreme pressures and temperatures.
- Mica shields provide maximum protection to retain basic strength of sight glass against erosion from chemical abrasion and corrosive effects of alkaline solutions, boiler waters, caustics, hydrofluoric acids, hot phosphoric acids, sodium and potassium hydroxides and other contaminated viscous or corrosive media.
- Mica shields are a must where saturated steam pressure exceeds **350 PSI** (up to 5689 PSI) and working temperature exceeds **196°C** (up to 600°C). As steam boilers are frequently shut-down and re-started, this places extreme demands on the cushion joints of level indicators. It is therefore essential to protect sight glass with Mica Shields facing the medium chamber. **Mica shields assure longer service life to sight glass and save high cost of their replacement.**



MICA SHIELDS



Standard Thickness

0.10	-	0.15 mm	/	0.004"	-	0.006"
0.15	-	0.20 mm	/	0.006"	-	0.008"
0.20	-	0.20 mm	/	0.008"	-	0.012"
0.30	-	0.35 mm	/	0.012"	-	0.014"

Mica Shields

Mica Shields for Sight Glass of liquid-level / water-level gauges for high pressure steam boilers

Serving electricity generating stations, thermal power stations, oil refineries, petrochemical plants, chemical plants, paper plants, sugar plants, pharmaceutical plants, textile plants, fertilizer plants, pressure vessels & tanks, etc.

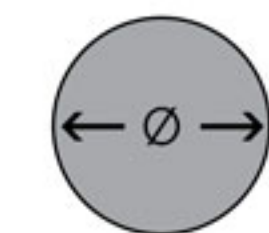
Mica shield thickness shall be composed of either one, two or three laminations; the inner lamination shall be not less than 0.08mm or .003" thick. When two or more pieces are supplied, they must be used as one and should not be separated or rearranged. Mica shields can be supplied in any required length, width and thickness as per customer's specifications.

Some of the Standard Sizes

NO.	TYPE A / B		TYPE A		TYPE B / H		TYPE TA - 28	
	L	W	L	W	L	W	L	W
I	115	X 24	115	X 30	115	X 34	133	X 47
II	140	X 24	140	X 30	140	X 34	158	X 47
III	165	X 24	165	X 30	165	X 34	183	X 47
IV	190	X 24	190	X 30	190	X 34	208	X 47
V	220	X 24	220	X 30	220	X 34	238	X 47
VI	250	X 24	250	X 30	250	X 34	268	X 47
VII	280	X 24	280	X 30	280	X 34	298	X 47
VIII	310	X 24	320	X 30	320	X 34	338	X 47
IX	320	X 24	340	X 30	340	X 34	358	X 47
X	340	X 24	370	X 30	370	X 34	378	X 47

All dimensions are in millimeters.

L = Length W = Width



Circular Mica Discs

Mica Shields are also available in **Circular Discs** for sight flow indicators as follows:

Diameter Sizes: Ø = 31, 33, 40, 45, 50, 60, 70, 80, 90, 100, 110, 120, 125, 150, 170, 175, 200 mm

MICA DISCS

Standard Thickness: 0.10 mm / 0.20 mm / 0.30 mm

CAUTION: It is advised to use only a superior quality mica shields having accurate thickness to provide complete safety and long service life to the sight glass. The thickness of mica shields are usually calculated on the basis of the steam pressure and working temperatures. However, in no case should such thickness be calculated on the minimum (minus) values. This would result in shortening the life of a transparent glass by half or even less.

MICAMAFCO is a specialist producer of the finest quality mica shields established over a century. We are an **ISO-9001:2000 certified company** and are totally committed to supply guaranteed hi-tech quality products at cost-effective price and fastest delivery time.