

.red[®] Hollow cathode lamps



Product datasheet

Description

Features

• **red** brand hollow cathode lamps are offered for most atomic absorption spectrometer instrument/element combinations:

- Non-coded
- Data coded for Thermo (Unicam), Agilent (Varian) and Perkin Elmer
- Single and multi-element
- 1½" (37mm) and 2" (51mm)
- Sharp, narrow band width spectral lines
- Neon filled
- Quartz or Pyrex windowed depending on wavelength
- Unique serial number for traceability

All • **red** brand hollow cathode lamps are shipped with detailed instructions on installation.



Applications

• **red** brand hollow cathode lamps are gas discharge devices in which the discharge is highly constrained around the cathode of a specific metal. The resultant output is a unique line spectrum, the most intense of which are suitable for highly specific and sensitive metals analysis.

The technology can be extended to include the following applications:

- Atomic absorption spectrophotometry
- Atomic fluorescence spectroscopy
- Multi-wavelength laser tuning and Laser output stabilisation
- Multicomponent analysers
- Environmental analysers
- Medicinal analysers

Fittings and instruments

• **red** 1.5" (37mm) lamps are fitted with a 2-pin octal base. while the 2" (51mm) version has a flying lead terminating in a standard M9 plug. Data coded versions of these lamps use multiple pinned octal bases specific to the intended manufacturer whilst the coded plug terminating 51mm lamps mates with the M12 socket in the instrument.

1.5" (37mm) lamps are suited to most makes of AA and can be used in PE instruments with care and additional hardware.

2" (51mm) lamps are restricted for use in Perkin Elmer instruments.

Contact your dealer for further information.

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Ordering information

Single element, 1.5" (37mm) diameter lamps, coded for Varian instruments

Code	Description	Model
172600	H-C lamp 1.5" Aluminium/Al coded Varian	Al for Varian
172602	H-C lamp 1.5" Arsenic/As coded Varian	As for Varian
172603	H-C lamp 1.5" Barium/Ba coded Varian	Ba for Varian
172604	H-C lamp 1.5" Be coded for Varian	Be for Varian
172605	H-C lamp 1.5" Bismuth/Bi coded Varian	Bi for Varian
172606	H-C lamp 1.5" Boron/B coded Varian	B for Varian
172607	H-C lamp 1.5" Cadmium/Cd coded Varian	Cd for Varian
172608	H-C lamp 1.5" Cesium/Cs coded Varian	Cs for Varian
172609	H-C lamp 1.5" Calcium/Ca coded Varian	Ca for Varian
172610	H-C lamp 1.5" Cerium/Ce coded Varian	Ce for Varian
172611	H-C lamp 1.5" Chromium/Cr coded Varian	Cr for Varian
172612	H-C lamp 1.5" Cobalt/ Co coded Varian	Co for Varian
172613	H-C lamp 1.5" Copper/Cu coded Varian	Cu for Varian
172614	H-C lamp 1.5" Dy coded for Varian	Dy for Varian
172615	H-C lamp 1.5" Er coded for Varian	Er for Varian
172616	H-C lamp 1.5" Eu coded for Varian	Eu for Varian
172617	H-C lamp 1.5" Gd coded for Varian	Gd for Varian
172618	H-C lamp 1.5" Ga coded for Varian	Ga for Varian
172619	H-C lamp 1.5" Ge coded for Varian	Ge for Varian
172620	H-C lamp 1.5" Gold/Au coded Varian	Au for Varian
172621	H-C lamp 1.5" Hf coded for Varian	Hf for Varian
172622	H-C lamp 1.5" Ho coded for Varian	Ho for Varian
172623	H-C lamp 1.5" D2 coded for Varian	D2 for Varian
172624	H-C lamp 1.5" Indium/In coded Varian	In for Varian
172625	H-C lamp 1.5" Ir coded for Varian	Ir for Varian
172626	H-C lamp 1.5" Iron/Fe coded Varian	Fe for Varian
172627	H-C lamp 1.5" Lanthanum/La coded Varian	La for Varian
172629	H-C lamp 1.5" Lithium/Li coded Varian	Li for Varian
172630	H-C lamp 1.5" Lu coded for Varian	Lu for Varian
172633	H-C lamp 1.5" Mercury/Hg coded Varian	Hg for Varian
172642	H-C lamp 1.5" Potassium/K coded Varian	K for Varian
172652	H-C lamp 1.5" Silver/Ag coded Varian	Ag for Varian

Product datasheet

Ordering information (cont.)

Single element, 1.5" (37mm) diameter lamps, coded for Varian instruments

Code	Description	Model
172601	H-C lamp 1.5" Sb coded for Varian	Sb for Varian
172628	H-C lamp 1.5" Lead/Pb coded for Varian	Pb for Varian
172631	H-C lamp 1.5" Magnesium/Mg coded Varian	Mg for Varian
172632	H-C lamp 1.5" Manganese/ Mn coded Varian	Mn for Varian
172634	H-C lamp 1.5" Mo coded for Varian	Mo for Varian
172635	H-C lamp 1.5" Nd coded for Varian	Nd for Varian
172636	H-C lamp 1.5" Nickel/Ni coded Varian	Ni for Varian
172637	H-C lamp 1.5" Nb coded for Varian	Nb for Varian
172638	H-C lamp 1.5" Os coded for Varian	Os for Varian
172639	H-C lamp 1.5" Pd coded for Varian	Pd for Varian
172640	H-C lamp 1.5" Phosphor/P coded Varian	P for Varian
172641	H-C lamp 1.5" Pt coded for Varian	Pt for Varian
172643	H-C lamp 1.5" Pr coded for Varian	Pr for Varian
172644	H-C lamp 1.5" Re coded for Varian	Re for Varian
172645	H-C lamp 1.5" Rh coded for Varian	Rh for Varian
172646	H-C lamp 1.5" Rubidium/Rb coded Varian	Rb for Varian
172647	H-C lamp 1.5" Ru coded for Varian	Ru for Varian
172648	H-C lamp 1.5" Sm coded for Varian	Sm for Varian
172649	H-C lamp 1.5" Sc coded for Varian	Sc for Varian
172650	H-C lamp 1.5" Selenium/Se coded Varian	Se for Varian
172651	H-C lamp 1.5" Silica/Si coded Varian	Si for Varian
172653	H-C lamp 1.5" Sodium/Na coded Varian	Na for Varian
172654	H-C lamp 1.5" Strontium/Sr coded Varian	Sr for Varian
172655	H-C lamp 1.5" Tantalum/Ta coded Varian	Ta for Varian
172656	H-C lamp 1.5" Te coded for Varian	Te for Varian
172657	H-C lamp 1.5" Tb coded for Varian	Tb for Varian
172658	H-C lamp 1.5" Tl coded for Varian	Tl for Varian
172659	H-C lamp 1.5" Th coded for Varian	Th for Varian
172660	H-C lamp 1.5" Tm coded for Varian	Tm for Varian
172661	H-C lamp 1.5" Sn coded for Varian	Sn for Varian
172662	H-C lamp 1.5" Ti coded for Varian	Ti for Varian
172663	H-C lamp 1.5" Tungsten/W coded Varian	W for Varian
172664	H-C lamp 1.5" Vanadium/V coded Varian	V for Varian
172665	H-C lamp 1.5" Yb coded for Varian	Yb for Varian
172666	H-C lamp 1.5" Yttrium/Y coded Varian	Y for Varian
172667	H-C lamp 1.5" Zinc/Zn coded Varian	Zn for Varian
172668	H-C lamp 1.5" Zirconium/Zr coded Varian	Zr for Varian