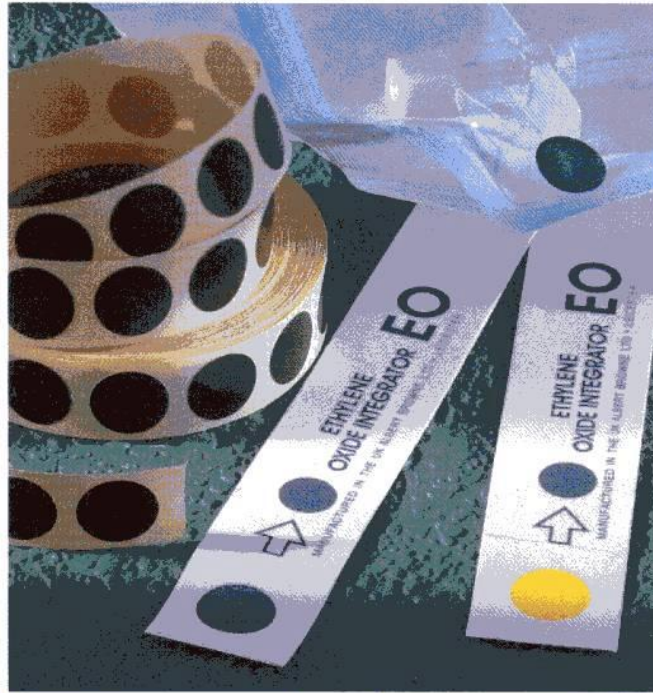




Ethylene Oxide



Browne Ethylene Oxide Integrators are a quick and effective way to show that EO gas has penetrated each and every pack in a sufficient quantity for the correct length of time. You can easily interpret the colour change from yellow (unprocessed) to green (pass).

One of the most difficult parameters to control in EO processes is the relative humidity level which is vital for achieving effective sterilization. Browne EO Integrators will show a fail if the relative humidity levels are outside the specified limits.

Unlike biological indicators, the Browne EO Integrators require no expensive and time consuming incubation following processing. The result can be interpreted immediately following processing allowing you to quickly and easily determine if the sterilization process has been successful.

Integrators



BEFORE AFTER

Process Detector Spots



BEFORE AFTER

Concentration (mg per litre)	Temp °C	Time	Relative Humidity
900mg	55°	20 mins	40% - 60%
	37°	55 mins	
600mg	55°	35 mins	40% - 60%
	37°	70 mins	

Chart shows some examples of the integrated criteria required to effect a colour change from yellow to green. Browne Integrators are suitable for use in most types of EO sterilizer.

These self-adhesive spots should be used on the outside of every pack being sterilized by EO gas to differentiate between processed and unprocessed packs.

Process Detector Spots
Conform to EN867-1 Class A and ISO11140-1 Class 1 [Process Indicators]

Browne Ethylene Oxide Integrators

(box/100) Re-order code: 2420

Browne Ethylene Oxide Process Detector Spots

(box/1000) Re-order code: 2421

Note: These indicator spots are not a control and only show that the packs have been through an EO process. Detector Spots change from brown to green after passing through an EO process, as shown.

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Promoting Confidence by Assuring Sterilization



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Indicadores Integradores



Integradores para Óxido de Etileno

Código para pedido **2420**

100 indicadores/caixa

Conforme a
EN867-1 Classe D₍₁₎
ISO11140-1 Classe 5₍₂₎

Os Integradores de Óxido de Etileno devem ser colocados dentro de cada pacote.

O indicador de controle se altera de vermelho para verde quando as condições adequadas de esterilização são atingidas, dando ao usuário final a garantia de que as condições adequadas de esterilização ocorreram no local.

Integradores de Óxido de Etileno mostrarão uma falha se o nível de umidade relativa, concentração de gás, temperatura ou duração de exposição sair fora dos limites especificados.

900mg Concentração (mg por litro)
Temperatura: 55°C - 37°C
Tempo: 20 - 55 minutos
Umidade Relativa: 40-60%

600mg Concentração (mg por litro)
Temperatura: 55°C - 37°C
Tempo: 35 - 70 minutos
Umidade Relativa: 40-60%

É recomendável que os *Spots* Detectores do Processo de Óxido de Etileno da Browne (Código para pedido 2421) sejam colocados fora de cada pacote para permitir a fácil identificação de itens processados e não processados. Note que, os *spots* não são calibrados para serem usados como um indicador de controle interno.