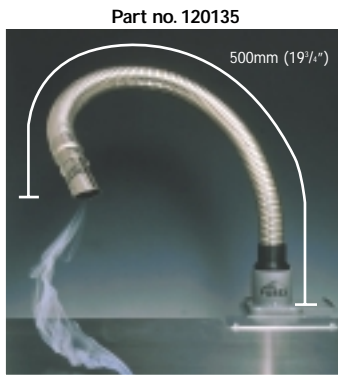


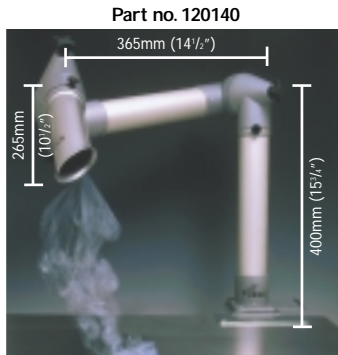


Purex[®] Arm Purification Accessories



Part no. 120135

Purex flexible stainless steel extraction arm
Ideal for high velocity extraction and where resistance to high temperatures and chemicals is important.
Tube dia = 38mm (1 1/2")
Cowl Sizes = 38, 32, 25mm (1 1/2", 1 1/4", 1")
Flow rates = 60, 50, 40m³/hr (35, 29, 23cfm)
Effective extraction radius = 0.5m (19 1/2")
(Pen nib nozzle not included)



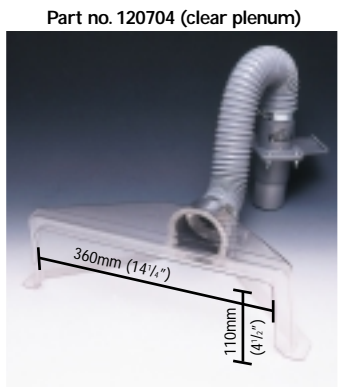
Part no. 120140

Purex multi-position extraction arm
For applications where wide fume capture zones are required
Tube dia = 54mm (2 1/4")
Cowl Sizes = 54mm (2 1/4")
Flow rate = 100m³/hr (59cfm)
Effective extraction radius = 0.5m (19 1/2")
(Pen nib nozzle not included)



Part no. 120175

Purex high volume extraction arm
For applications where a high flow rate is essential to remove the fume
Tube dia = 100mm (4")
Cowl Sizes = 100mm (4")
Flow rate = 420m³/hr (247cfm)
Effective extraction radius = 3m (118")



Part no. 120704 (clear plenum)

Purex plenum extraction chamber*
Ideal for fume removal from the bench top where a wide laminar flow is required
Connecting hose dia = 50mm (2")
Effective extraction radius = 0.5m (19 1/2")

*Also available in black anti-static polycarbonate - part no. 120703

Extensive range of aerodynamically designed Purex purification arms, nozzles and cowls captures fume and dust at high velocity over an effective extraction radius up to 3 metres (118").

Quick-fit cowls can be interchanged in seconds to accommodate changes in process.

For benchtop purification over a wider area Purex Plenum Cowls are the efficient solution.

Unique Purex Diminishing Nozzle System (DNS) gives you more arms for your money.

By maximising the capture efficiency of Purex purification arms it allows you to connect more arms to your workstation layout.

Purex **E S D** safe arms conforming to BS EN 61340-1 also available (supplied with 1 MΩ leakage resistance cable)

3

The accessories feature...

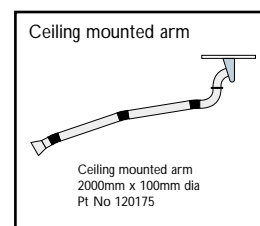
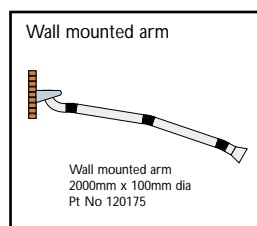
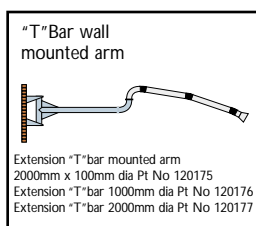
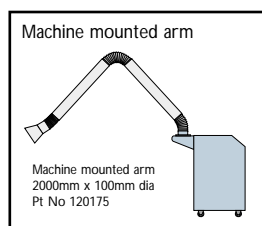
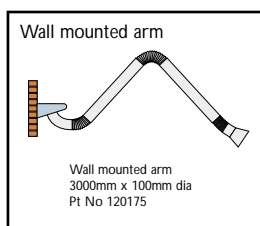
- ▲ powerful high velocity purification
- ▲ full adjustability for convenience of work
- ▲ patented Positive Lock Positioning system which holds multi-position arms reliably in place no matter how often they are adjusted
- ▲ a full range of cowl sizes from 25mm (1") to 100mm (4") diameter
- ▲ an individual universal mounting collar complete with integral flow control valve fitted to all arms
- ▲ versatile bench, wall and ceiling mountings
- ▲ low maintenance design

3 Versatile universal mounting brackets accept both Purex Multi-position and Flexible Stainless Steel arms

For convenient location of arms, wherever you work, chose from the range of Purex wall, bench and ceiling mounting brackets



Mounting arrangements for Purex 100mm (4") high volume extraction arm



Purex Arm Purification Systems

Check the table below to determine how many arms can be connected to each Arm Purification Machine. See Data sheet 2 for full machine specifications.

	Superflow 8000/2-6 FC	Superflow 8000/4-10 FC	Superflow 8000/8-20 FC	Superflow 8000/10-25FC	Superflow 8000/20-50FC
Part no. Euro US	081026 080026 (110V) 081026 (220V)	080410	021820	022120	044250
Max Stations	6 x 25mm (1") arms 4 x 32mm (1 1/4") arms 3 x 38mm (1 1/2") arms 2 x 54mm (2 1/4") arms 2 x Cleancabs ⁽¹⁾ 2 x Plenum cowls	10 x 25mm (1") arms 8 x 32mm (1 1/4") arms 6 x 38mm (1 1/2") arms 4 x 54mm (2 1/4") arms 4 x Cleancabs ⁽¹⁾ 4 x Plenum cowls 1 x 100mm (4") arm	20 x 25mm (1") arms 16 x 32mm (1 1/4") arms 12 x 38mm (1 1/2") arms 8 x 54mm (2 1/4") arms 8 x Cleancabs ⁽¹⁾ 8 x Plenum cowls 4 x 100mm (4") arms	25 x 25mm (1") arms 20 x 32mm (1 1/4") arms 15 x 38mm (1 1/2") arms 10 x 54mm (2 1/4") arms 10 x Cleancabs ⁽¹⁾ 10 x Plenum cowls 5 x 100mm (4") arms	50 x 25mm (1") arms 40 x 32mm (1 1/4") arms 30 x 38mm (1 1/2") arms 20 x 54mm (2 1/4") arms 20 x Cleancabs ⁽¹⁾ 20 x Plenum cowls 9 x 100mm (4") arms
Notes	(1) See Data sheet 4 for details of Purex Cleancab fume purification cabinets				

Typical ordering sequence

for multi-position and stainless steel arm accessories

To order the correct arm accessories for the layout on the right you would need:

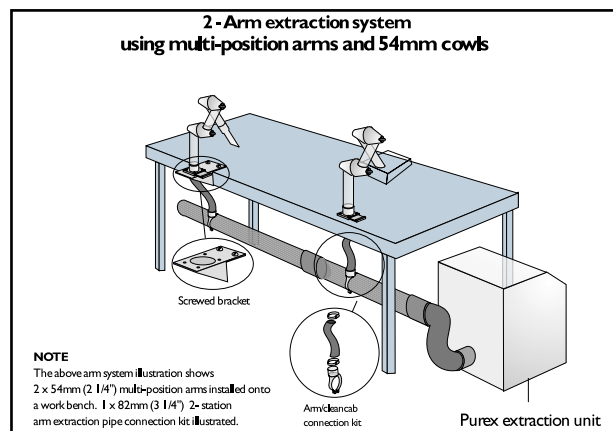


2 x 120140
(multi-position
arms)

1 x 120156
(pen nib nozzle)

1 x 120159
(clear hood cowl)

2 x 120180
(clamped brackets)



Purex[®] Arm Purification Accessories

Versatile range of quick fit cowls for multi-position and stainless steel arms

When several processes are carried out at the same workstation it may be necessary to use different cowls to ensure fumes from each process are captured in the most efficient way. Purex extraction arms are designed to enable quick changeover of cowls, minimising any inconvenience caused when changing processes.

4 aerodynamically designed cowl types - pen nib, conical, delta and clear hood are available in 25mm, 32mm, 38mm and 54mm (1", 1¼", 1½" and 2") sizes.

Multi-position arms require 54mm (2") cowls. Flexible stainless steel arms can be used with 25, 32, 38mm (1", 1¼", 1½") cowls.



To remove the existing cowl from multi-position arms, simply undo the thumbscrew and slide the cowl out. Slide the replacement cowl in and re-tighten the thumbscrew.



Changing the cowl on flexible stainless steel arms is even quicker. Just slide the cowl currently in use off the cowl adaptor and slide the replacement cowl on.



Changes in process requiring a swap from multi-position arms to stainless steel arms - or vice versa - can easily be accommodated owing to the universal mounting collars fitted as standard to both types of arm.

Just undo the thumbscrew on the mounting collar, lift out the old arm and replace it with the new one.

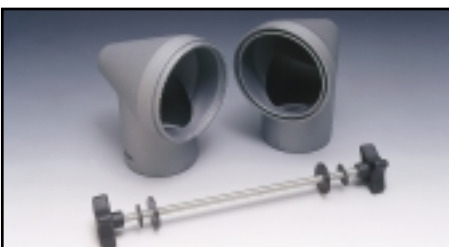
To enable operators to adjust the airflow on their arm individually every mounting collar is fitted with an integral flow control valve.

Unique multi-position knuckle keeps Purex arms firmly in position while you work



Purex multi-position arms incorporate a unique patented knuckle joint which ensures reliable positioning, time after time.

A spring-loaded tensioning bolt enables the operator to tighten the arm with minimum force, creating a positive lock between serrated inner cams on the inside of the knuckle halves.



Once set to the correct tension, the arm can be adjusted without unscrewing and re-tightening the bolt.

The spring allows the cam ridges to ride over each other and click into place as the arm turns, re-locking each time.

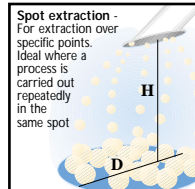
Knuckle joints are resistant to both acids and solvents.

Choosing the correct arm for your application

1. Observe the pattern of the fume given off by your application.
2. Check the Fume Capture Pattern Table below and select the cowl with the capture area that matches your fume pattern most closely.
3. Check the arm diameter corresponding to the cowl just chosen.
4. Decide the most convenient location for the arm, making sure it will reach the extraction zone - see front cover for standard arm lengths.
 - 3-Knuckle multi-position arms and longer arm sections are available for extended reach. Contact Hi-Tech UK or your supplier for further details.
5. Select mounting brackets for your arm (if required) from the range shown overleaf.

Fume Capture Pattern Table

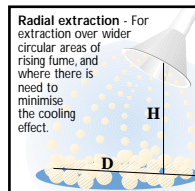
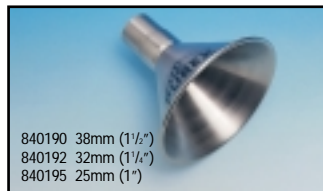
Pen nib nozzle



Fume capture area dimensions

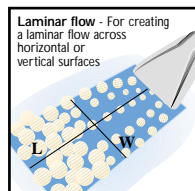
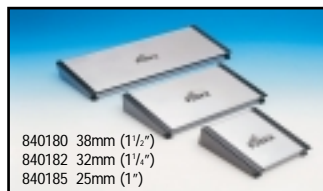
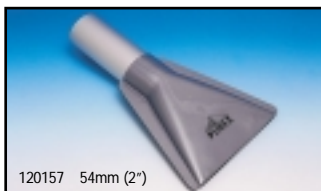
Arm dia	Max D, H
54mm (2")	200, 260mm (7 3/4", 10 1/4")
38mm (1 1/2")	180, 190mm (7", 7 1/2")
32mm (1 1/4")	140, 160mm (5 1/2", 6 1/4")
25mm (1")	100, 100mm (4", 4")

Conical cowl



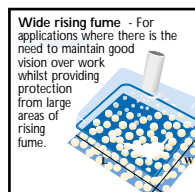
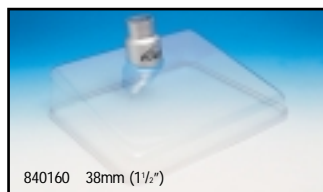
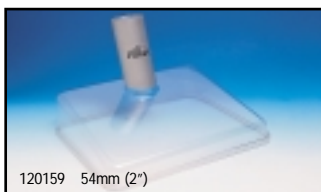
Arm dia	Max D, H
54mm (2")	210, 260mm (8 1/4", 10 1/4")
38mm (1 1/2")	190, 200mm (7 1/2", 7 3/4")
32mm (1 1/4")	150, 160mm (5", 6 1/4")
25mm (1")	110, 150mm (4 1/4", 6")

Delta cowl



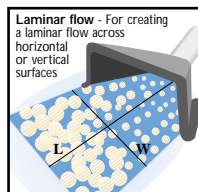
Arm dia	Max W x L
54mm (2")	300x300mm (11 3/4" x 11 3/4")
38mm (1 1/2")	300x200mm (11 3/4" x 7 3/4")
32mm (1 1/4")	200x150mm (7 3/4" x 6")
25mm (1")	100x100mm (4" x 4")

Clear hood cowl



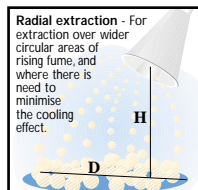
Arm dia	Max W x L
54mm (2")	300x300mm (11 3/4" x 11 3/4")
38mm (1 1/2")	300x200mm (11 3/4" x 7 3/4")

Plenum cowl



Inlet dia	Max W x L
50mm (2")	300 x 400mm (11 3/4" x 15 3/4")

High volume 100mm arm cowl



Arm dia	Max D, H
100mm (4")	300, 300mm (11 3/4", 11 3/4")