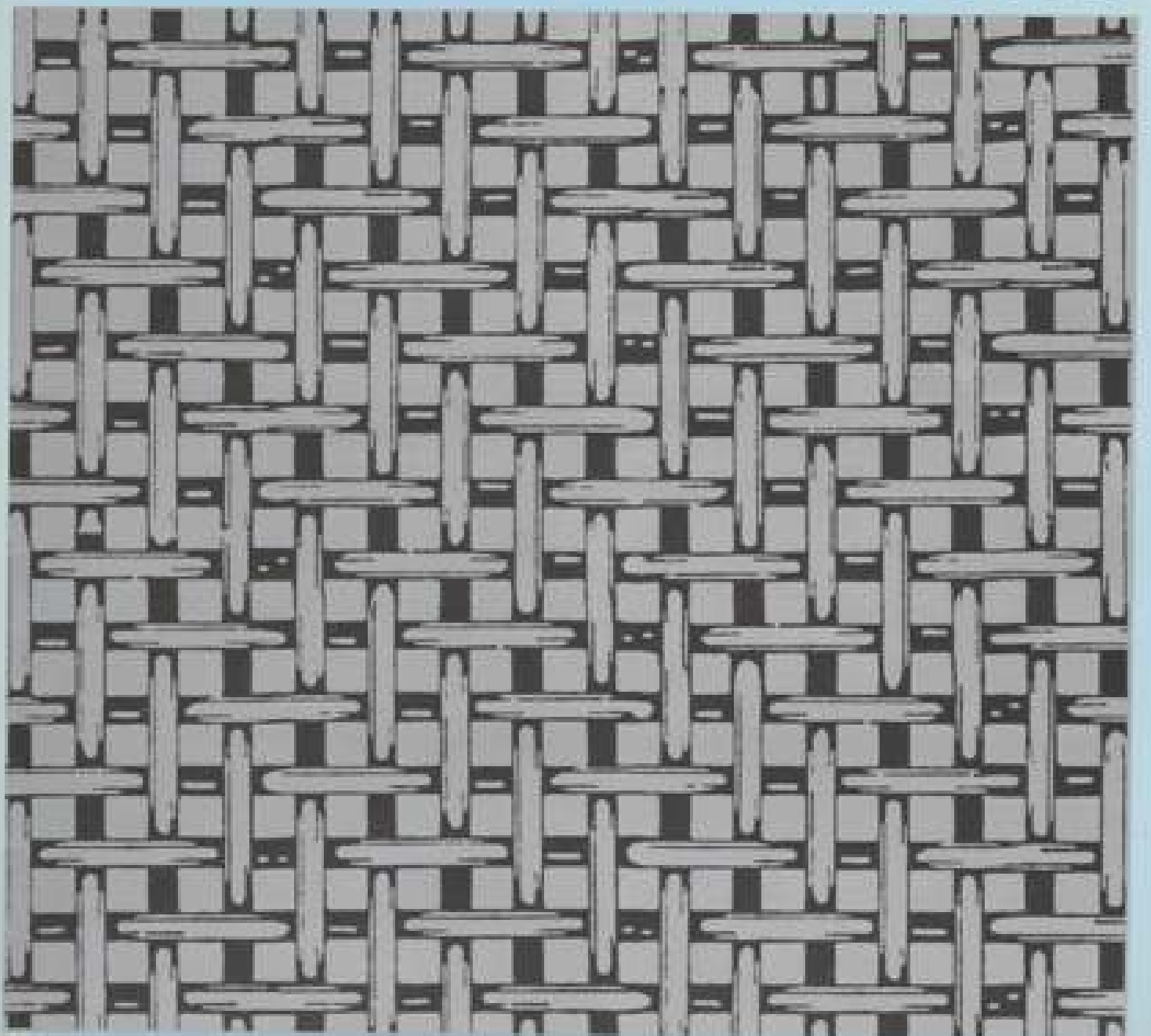


WIRECLOTH

SALES & DEVELOPMENT LTD



WHO ARE WE?

Wirecloth Sales & Development Ltd was formed in 1983. We are strategically based in Warrington, Cheshire, in the heart of the wire industry and the ideal distribution point.

WHAT DO WE DO?

Wirecloth Sales & Development Ltd are certified to ISO 9002 (BS 5750 Part 2) and as such, all products supplied by us are "Quality Assured". We can supply a Certificate of Conformity and Chemical Analysis with all orders, if specified by the customer.

We specialise in all forms of wiremesh, e.g. woven wire, knitted wire, welded wire, perforated metals and expanded metal. We can supply these products in most metal alloy, e.g. stainless steel (all grades), monel, incolloy, brass, copper, phosphor bronze, galvanised steel etc., and also in plastic, e.g. polypropylene, polyester, nylon etc.

We also manufacture products from the above material and can cater for one-off jobs, small, medium runs as well as large quantity runs. Products that we can manufacture to customer requirements include:-

- Demister Pads (with or without grids)
- Coalescer Pads (with or without grids)
- Grease Filters
- Filter Boxes
- Strainer Baskets
- Seals
- Air Filters
- Mesh Discs
- Mesh Strips
- Panels with U-section border

We also supply belts of all descriptions, manufactured to customers' requirements from the above materials.

Our policy is to use only "first class" materials and whether you need just a few square feet, or 100 rolls, we are pleased to supply.

FIRST CLASS SERVICE

You want materials when you need them and **WIRECLOTH** is in tune with the market. We operate an ex-stock delivery and sometimes a same day service.

FIRST CLASS ADVICE

Our products can be used for very many applications and we are available to discuss design projects with you. We'll help you make the most cost effective decisions. So, if your existing supplier does not match up to your needs, give **WIRECLOTH** a ring.

WIRECLOTH

SALES & DEVELOPMENT LTD

WOVEN WIRE MESH

SQUARE MESH, PLAIN WEAVE

Wire cloth with square meshes. Plain weave gives maximum possible accuracy of apertures and is consequently the most widely used type of weave. Smallest aperture 28 μ .



DUTCH TWILLED WEAVE

Also called "tight-tight" weave. The web wires are twill-woven to lie as close as possible. Qualities: maximum degree of accuracy in filtration, low flow-rate, high pressure loss. Smooth on both sides. Smallest aperture 3 μ (nominal).



SQUARE MESH, TWILLED WEAVE

Wire cloth with square meshes having a slight diagonal displacement. Mostly fine wire cloth with apertures under 43 micrometers and specifications woven with especially thick wires. Smallest aperture 25 μ .



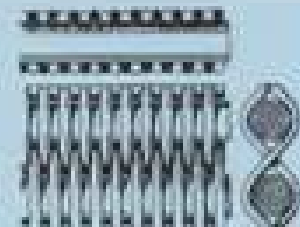
BROAD MESH TWILLED DUTCH WEAVE

In contrast to the Dutch Twilled Weave, which is tight-tight, the web wires lie loosely against each other. Qualities: satisfactory degree of accuracy in filtration, high flow-rate, moderate pressure loss. Smooth on both sides. Smallest aperture 20 μ .



REVERSE PLAIN DUTCH WEAVE

Has warp wires of relatively thin diameters lying as close as possible to one another and the web wires are particularly strong. Qualities: satisfactory degree of accuracy in filtration, high flow-rate, small pressure loss. Uneven surface on both sides. Smallest aperture 14 μ .



SINGLE PLAIN DUTCH WEAVE

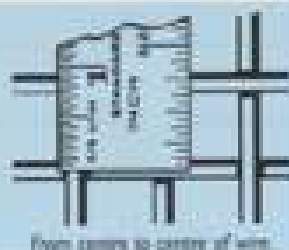
The web wires are plain woven to lie as close as possible against each other. Qualities: high degree of accuracy in filtration, high flow-rate, moderate pressure loss. Uneven surface on both sides. Smallest aperture 15 μ .



TYPICAL SPECIFICATIONS

METHOD OF MEASURING MESH

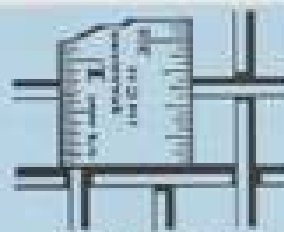
"Mesh" means the number of openings per linear inch measured from centre to centre of wire; thus the illustration shows 3 mesh or $1/3$ " centres.



From centre to centre of wire.

APERTURE OR CLEAR MESH

"Aperture or clear mesh" means the actual opening between the wires; thus the illustration shows $1/3$ " clear mesh or aperture.



Here between the wires.

METALS USED

Each mesh can be made in several gauges of wire according to aperture required and almost all metals: plain steel, coated steel, galvanized steel, steel, galvanized after woven, copper, brass, phosphor bronze, stainless steel, monel, nickel, aluminium and its alloys and special metals.

HOW TO ORDER

1. State metal required.
2. The number of rolls or pieces required, also the length and width.
3. Meshes per linear inch or size of aperture.
4. Thickness of wire in decimals or s.w.g. If in doubt please obtain sample.

WOVEN WIRE MESH

Mesh	Wire Diameter		Aperture		Approx. Open Area
	mm	nom L.w.g.	Inches	mm	%
2	1.6	16	0.436	11.07	76.0
3	1.6	16	0.269	6.84	65.3
4	1.2	18	0.202	5.13	65.3
4	0.914	20	0.214	5.44	73.3
5	1.016	19	0.180	4.56	64.0
6	1.2	16	0.118	3.01	60.7
6	0.914	20	0.130	3.32	61.5
7	0.813	21	0.111	2.82	60.3
8	0.914	20	0.089	2.26	50.7
8	0.711	22	0.097	2.46	60.2
10	0.914	20	0.064	1.63	41.0
10	0.559	24	0.078	1.98	60.8
12	0.559	24	0.061	1.56	54.1
14	0.457	26	0.045	1.13	50.7
16	0.355	28	0.047	1.21	58.3
16	0.233	34	0.053	1.40	72.0
18	0.355	28	0.040	1.03	54.0
20	0.457	26	0.032	0.81	41.0
20	0.355	28	0.035	0.90	50.0
24	0.345	29	0.026	0.71	45.2
28	0.353	28	0.021	0.53	34.2
30	0.315	30	0.021	0.53	39.3
30	0.274	32	0.023	0.57	45.6
36	0.193	36	0.020	0.51	52.9
40	0.233	34	0.016	0.40	40.0
50	0.213	35	0.011	0.29	33.6
50	0.193	36	0.012	0.31	38.4

Mesh	Wire Diameter		Aperture		Approx. Open Area
	mm	nom L.w.g.	Inches	mm	%
60	0.160	37	0.010	0.25	35.5
70	0.132	39	0.009	0.23	40.6
80	0.132	39	0.007	0.18	34.1
100	0.111	41	0.006	0.14	31.4
120	0.071	43	0.0055	0.14	43.6
150	0.065	45.5	0.004	0.105	38
180	0.061	46	0.003	0.080	33.2
200	0.050	47	0.003	0.076	36.0
250	0.040	48	0.002	0.060	36.0
300	0.030	49	0.002	0.054	40.5
325	0.0028	49.5	0.002	0.050	42.3
400	0.025	50	0.0015	0.038	36.0

HOLLANDER MESHES

Mesh	Micron		Retention	
	Nominal	Absolute		
12	x 72	-	500	- 600
14	x 88	-	280	- 300
24	x 110	80	112	- 125
32	x 132	80	95	- 105
40	x 200	56	75	- 80
50	x 250	40	56	- 63
70	x 250	100	110	- 120
165	x 1400	10	15	- 18
200	x 1400	5	11	- 13
325	x 2300	3	7	- 8

The above represents a selection of our most popular meshes, however we do carry a substantially larger range. If you don't see what you require please phone for more information.



WIRECLOTH

SALES & DEVELOPMENT LTD

11A EAST VIEW, GRAPPENHALL, WARRINGTON, CHESHIRE WA4 2QH
TELEPHONE: (01925) 268417, FAX: (01925) 604561

WIRECLOTH

SALES & DEVELOPMENT LTD

KNITTED WIRE MESH

WHAT IS KNITTED MESH?

Knitted mesh, as its name implies, is a metal wire or plastic strand knitted into an interlocking looped mesh structure the same way as stockings, and should not be confused with woven mesh, which is the form of rectangular openings of parallel wires. The knitted mesh has a flexibility not possessed by the woven mesh, due to the loops being able to move relative to each other, thereby giving a two-way stretch. This flexibility gives knitted mesh a unique advantage for many industrial uses.

FORMS OF KNITTED MESH

Knitted mesh is produced in a long flat double thickness from 0" to 28" seamless width on a cylindrical machine. The output is a continuous stocking of mesh, which is

pulled through the knitter by take-up rollers. It can be used directly in this flattened form as an insulation covering or it can be further processed into several other basic forms. Flattened mesh is sometimes run through corrugating rolls to create crimped mesh. In this form the corrugations act like springs for resiliency and give mesh thickness.

MATERIALS

The usual materials are metals, aluminium, monel, stainless steel, nickel, copper, galvanized steel, and plastics, poly-propylene and nylon.

MESH SIZES

The most popular meshes are between 3 and 8 openings to the linear inch. Almost any material that can be drawn into a filament smaller than 0.012" (0.31 mm) for metals (plastics from thicker filaments) can be knitted providing that it has been suitably drawn.



WIRECLOTH

SALES & DEVELOPMENT LTD



11A EAST VIEW, GRAFFENHALL, WARRINGTON, CHESHIRE WA4 2QH. TELEPHONE: (01925) 268417. FAX: (01925) 604861.

Conveyor belts are probably one of the most important aids to manufacturing and processing industry today. They are strong, durable and capable of withstanding extremes of temperature from freezers operating at -160° centigrade to furnaces operating at 1150° centigrade.

Mesh sizes and gauges of wire are almost completely variable in a wide selection of metals.

WIRECLOTH SALES & DEVELOPMENT LIMITED

can arrange for our conveyor belts to be chain, or friction drive, or in some cases to be driven by sprockets directly into the belt. We can supply "pilot-bored" sprockets in various diameters to suit your belts. We can offer expert advice on the correct belt for your application.

Please don't hesitate to phone.

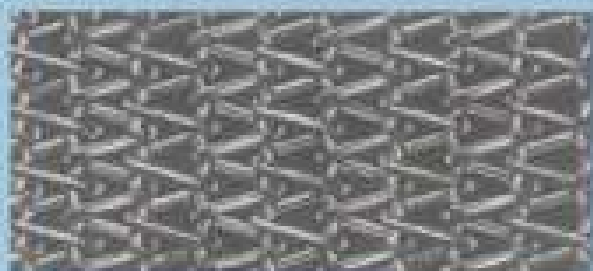
BS-W 12-12-12-12



BSF-W 24-1/2 x 16-20-10



BS-W 36-14-32-14



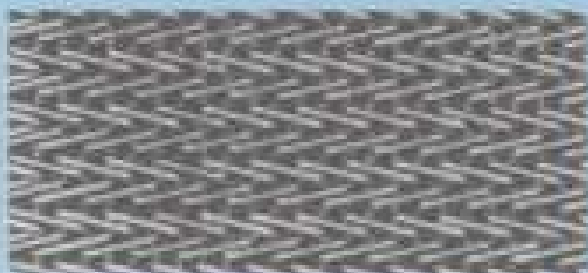
BS-W 60-16-48-16



DB-W 48-14-24-10



Cordweave 4 40-16-90-16

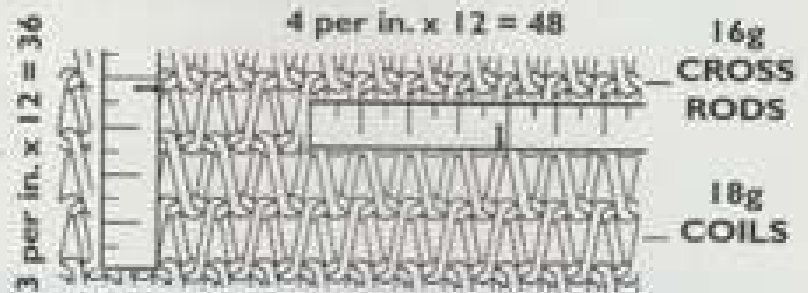


WIREDCLOTH

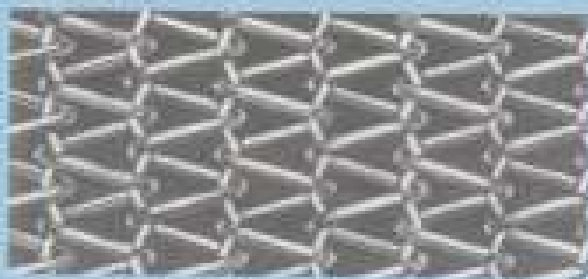
The numerical designators of Wirecloth BS or Balanced Spiral belts are actual counts.

The first figure (48) is the number of coils per foot of width. The second figure (16) is the gauge of the coil wire. The third figure (36) is the number of cross-rods per foot of length and the final figure (16) is the gauge of the cross-rods. In the case of Wirecloth FS or Flat Spiral specifications, the first figure is the gauge of coil wire. The second is the gauge of the cross-rod wire and the final figure is the pitch in inches.

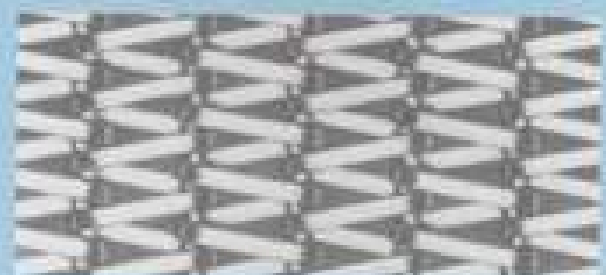
Example:
Balanced Spiral
Type:
BS-W.Spec:
48-16-36-16



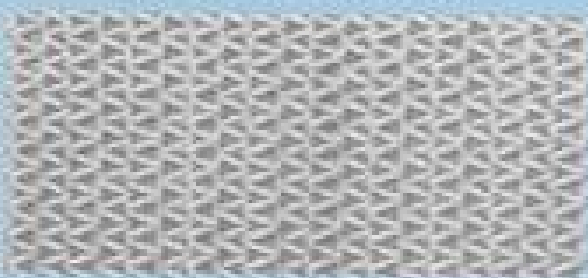
BS-W 30-14-24-14



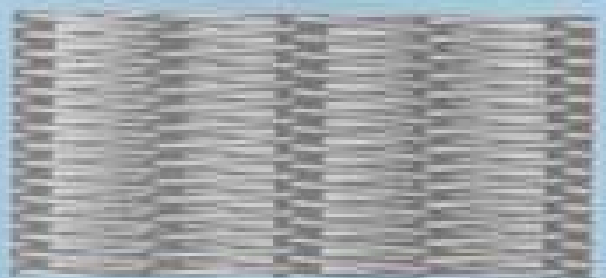
BSF-W 36-1/2" x 16-20-10



BS-W 72-20-72-20



FS-LD 18-12-1/2"



CLR-W (Duplex) 36-11-18/18-11



CL-W 1/2"-14G



WIRECLOTH

GENERAL BELT INFORMATION

"Wirecloth Sales & Development Limited" are one of the leading suppliers of industrial belts in the United Kingdom. We can offer belts in most materials, including monofilament plastics, metal alloys and pure metals. A number of different seams are available to meet each individual customer's needs. We can arrange the edging of each belt to meet each application and budget. We have supplied the following varieties of belts:

- conveyor
- de-watering
- paper making
- press belts
- honeycomb
- balanced spiral

Some of the industries using our belts are: paper making, sewerage treatment, fruit juice, and alcohol producers, plastic foam, jewellery manufacturers and many more.

"Wirecloth Sales & Development Limited" recognise the importance of "service" in this market place. Because so many belts are unique items, buyers have to be fortune-tellers in order to guess how many belts to order; if they get it right everybody's happy. However, any number of unforeseen disasters can put a belt out of action and with lead times to manufacture currently at anything up to 12 weeks, the potential for unplanned downtime "awaiting delivery" is enormous.

At "Wirecloth Sales & Development Limited" we offer a call-off service whereby we stock your belts for you to call off as and when you require, thus ensuring continuity of supply and eliminating downtime.

RE-MESHING SERVICE

"Wirecloth Sales & Development Limited" supply a large range of woven wire mesh belts driven by chains. It is our experience that the chains have a considerably longer life than the mesh. In order to minimise your production costs, we can "re-mesh" belts.

In most cases we can do this on a 24-hour turnaround basis.

A set of chains will generally last for a minimum of 5 re-meshes and we have some chains in service that are now on their 20th mesh. A re-mesh offers considerable savings over a brand new belt. If you are currently using chain driven woven wire belts and are replacing these with new belts when they fail, please give us a ring to discover how much you can save on your overheads.

If you are having any belt problems at all, whether it be technical or on the supply side, please ring us at "Wirecloth Sales & Development Limited" and avail yourself of our experience, knowledge and service.

WIRECLOTH

SALES & DEVELOPMENT LTD



11A EAST VIEW, GRAPPENHALL, WARRINGTON, CHESHIRE WA4 2QH. TELEPHONE: (01925) 268417. FAX: (01925) 604861.

FILTERS SUPPLY AND MANUFACTURE

"Wirecloth Sales & Development Limited" supply a comprehensive range of filters to industry. These products range from a simple disc or cut piece of woven wire mesh, all the way up to a multi-layer knitted pad, enclosed in a box for easy replacement in the field. We supply "one off" and small runs just as easily as large runs.

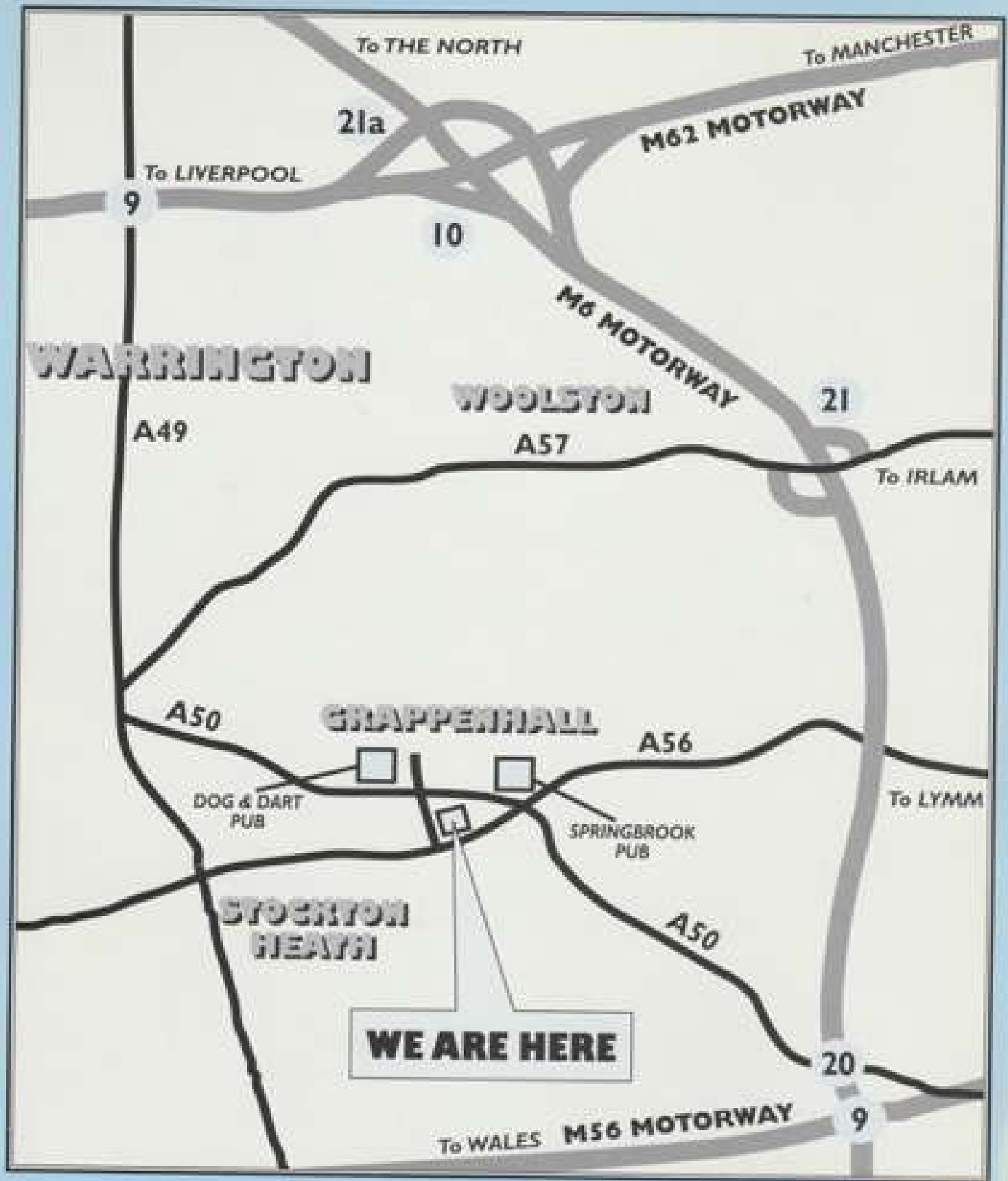
DEVELOPMENT

"Wirecloth Sales & Development Limited" have accumulated vast reserves of experience in the development of filtration products, so if you are looking to design a filter give us a ring and avail yourself of our experience.

SERVICE AND REPAIR

"Wirecloth Sales & Development Limited" offer a service and repair facility for specialist filters, where repair is a cost-effective solution. To reduce your maintenance cost please give us a ring.

TELEPHONE: (01925) 268417
FAX: (01925) 604861
EMAIL: Wireclothsales@aol.com
www.wireclothsales.co.uk



Certificate No. 95207

WIRECLOTH

SALES & DEVELOPMENT LTD

11A EAST VIEW, GRAPPENHALL, WARRINGTON, CHESHIRE WA4 2QH

TELEPHONE: (01925) 268417, FAX: (01925) 604861.

EMAIL: Wireclothsales@aol.com