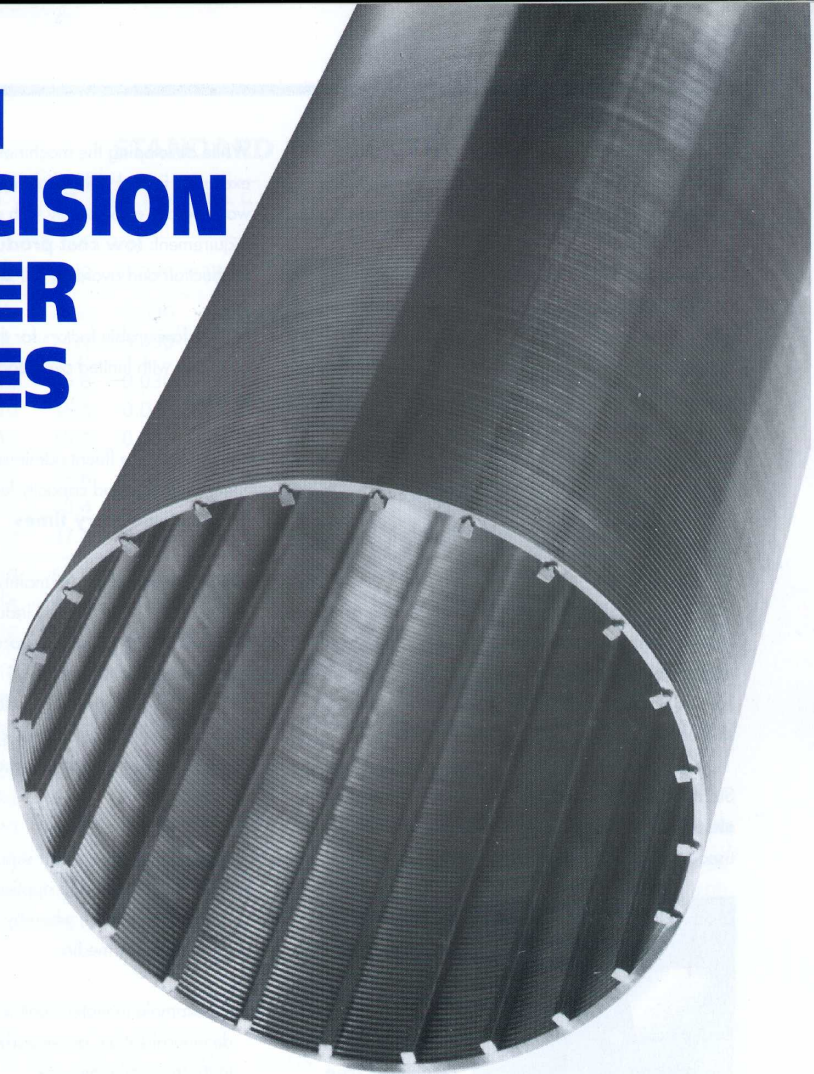


# HIGH PRECISION FILTER TUBES

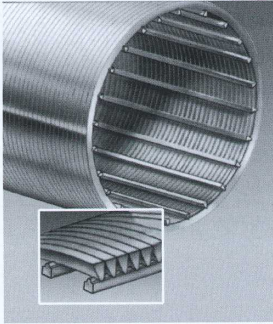


# UNISLOT

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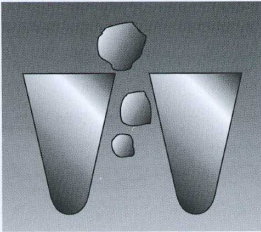
UNISLOT filter tubes are manufactured using most advanced techniques, and respond to the severest quality requirements of today's filtration systems.

The construction of a UNISLOT filter tube is traditional: A V-shaped profile wire is wrapped over support bars, and connected to these at every crossing by fusion welds.



This results in **high mechanical strength** combined with **maximal open area**. Dependant on your requirements, we have a large scale of fine profile wires. For special applications, alternative forms can be studied and applied.

Standard materials are different types of **stainless steel**, of which 316 L and 316 Ti are most frequently used.



Because of the widening of the slots at the downstream side, the surface of the elements can be considered **free from clogging**.

The profile wires have to respond to strict tolerances. That way, the fine tuning of our machines can guarantee you the highest **precision and uniformity** of the slots.

By the application of revolutionary techniques, we manufacture elements showing **optimal roundness**, including for small diameters.

The uniformity of the welding depth allows us to realise a **very smooth surface**, which is obviously advantageous with regards to the precision of the openings.

While developing the machines, high speed of execution joined with reliability were top priority. This way, we can also comply with another interesting requirement: **low cost production** thanks to fast production and avoiding fall-out.

Further favourable factors for the price setting: a small company with limited overheads and our direct market approach.

Our flexibility, a fluent administrative flow, production speed and adapted capacity lead to supplies within reasonable **delivery times**.

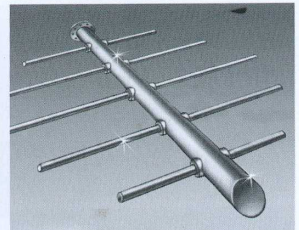
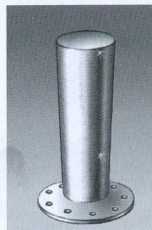
UNISLOT filter tubes are mainly applied for the filtration of liquids: in food industry, (petro-)chemicals, hydraulics, cooling water, process water, cooling liquids, ...

The main advantages of our elements come to surface in filter systems using automatic cleaning devices, such as backwashing or by means of scraper systems.

Besides the use as a direct separation element, UNISLOT slot tubes find applications in a great number of processes, whereby their main duty is the retention of filter media:

- for example in water treatment, with resins for demineralisation, active carbon,...

In these installations, the tubes show up in the form of nozzles, laterals, resin traps, and many other forms.

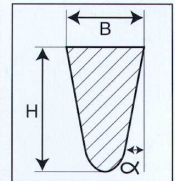


## STANDARD PRODUCTS

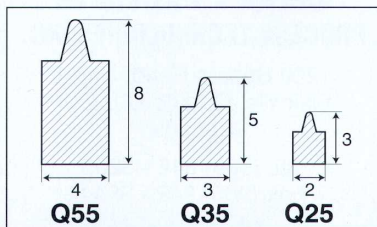
O.D.	Construction	I.D.	Slot (min)	Max. L.	O.D.	Construction	I.D.	Slot (min)	Max. L.																																																																																											
23	11 US/Q25x6	14.6	0.030	1400	137	12 US/Q25x30	128.4	0.050	2750																																																																																											
30	11 US/Q25x8	21.6	0.030	1700	18 US/Q25x30	127.4	0.050	2750																																																																																												
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	12 US/Q25x18	61.4	0.030	2750	18 US/Q25x48	258.4	0.050 </tr <tr> <td></td> <td>18 US/Q25x18</td> <td>60.4</td> <td>0.030</td> <td>2750</td> <td>22 US/Q35x48</td> <td>252.6</td> <td>0.050</td> <td>2750</td> </tr> <tr> <td>85</td> <td>12 US/Q25x18</td> <td>76.4</td> <td>0.030</td> <td>2750</td> <td>305</td> <td>18 US/Q35x60</td> <td>291.8</td> <td>0.050</td> <td>2750</td> </tr> <tr> <td></td> <td>18 US/Q25x18</td> <td>75.4</td> <td>0.030</td> <td>2750</td> <td>22 US/Q35x60</td> <td>289.6</td> <td>0.050</td> <td>2750</td> </tr> <tr> <td></td> <td>22 US/Q35x18</td> <td>69.6</td> <td>0.030</td> <td>2750</td> <td>28 US/Q35x60</td> <td>288.8</td> <td>0.050</td> <td>2750</td> </tr> <tr> <td>97</td> <td>12 US/Q25x20</td> <td>88.4</td> <td>0.030</td> <td>2750</td> <td>405</td> <td>22 US/Q35x72</td> <td>389.6</td> <td>0.100</td> <td>2750</td> </tr> <tr> <td></td> <td>18 US/Q25x20</td> <td>87.4</td> <td>0.030</td> <td>2750</td> <td>28 US/Q55x72</td> <td>382.4</td> <td>0.100</td> <td>2750</td> </tr> <tr> <td></td> <td>22 US/Q35x20</td> <td>81.6</td> <td>0.030</td> <td>2750</td> <td>34 US/Q55x72</td> <td>381.2</td> <td>0.100</td> <td>2750</td> </tr> <tr> <td>110</td> <td>12 US/Q25x24</td> <td>101.4</td> <td>0.030</td> <td>2750</td> <td>450</td> <td>28 US/Q55x80</td> <td>427.4</td> <td>0.100</td> <td>2750</td> </tr> <tr> <td></td> <td>18 US/Q25x24</td> <td>100.4</td> <td>0.030</td> <td>2750</td> <td>34 US/Q55x80</td> <td>426.2</td> <td>0.100</td> <td>2750</td> </tr> <tr> <td></td> <td>22 US/Q35x24</td> <td>94.6</td> <td>0.030</td> <td>2750</td> <td>42 US/Q55x80</td> <td>424.2</td> <td>0.100</td> <td>2750</td> </tr>		18 US/Q25x18	60.4	0.030	2750	22 US/Q35x48	252.6	0.050	2750	85	12 US/Q25x18	76.4	0.030	2750	305	18 US/Q35x60	291.8	0.050	2750		18 US/Q25x18	75.4	0.030	2750	22 US/Q35x60	289.6	0.050	2750		22 US/Q35x18	69.6	0.030	2750	28 US/Q35x60	288.8	0.050	2750	97	12 US/Q25x20	88.4	0.030	2750	405	22 US/Q35x72	389.6	0.100	2750		18 US/Q25x20	87.4	0.030	2750	28 US/Q55x72	382.4	0.100	2750		22 US/Q35x20	81.6	0.030	2750	34 US/Q55x72	381.2	0.100	2750	110	12 US/Q25x24	101.4	0.030	2750	450	28 US/Q55x80	427.4	0.100	2750		18 US/Q25x24	100.4	0.030	2750	34 US/Q55x80	426.2	0.100	2750		22 US/Q35x24	94.6	0.030	2750	42 US/Q55x80	424.2	0.100	2750
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## PROFILES

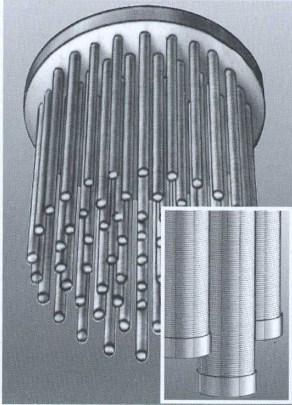
	11 US	12 US	18 US	22 US	28 US	34 US	42 US
B	0.75	1.0	1.5	1.8	2.2	2.8	3.4
H	1.8	2.0	2.5	3.7	4.5	5.5	6.8
$\alpha$	8°	10°	12°	10°	10°	10°	10°



## SUPPORT WIRES



- the very special properties of UNISLOT filter candles are strongly highlighted in their use in precoat filters : they are particularly suitable for the formation of a layer of filter media (diatomaceous earth). This technique is popular in food industry (beer, wine), and other fine filtrations.

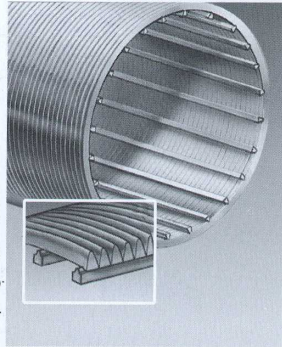


- next to the above, there are a large number of special applications, in which the precision, mechanical strength and the long lifetime of the UNISLOT tubes are brought forward : as a sieve in pearl mills for paints and powders, as a support cage for wire mesh or filter cloth.

For these and other applications, the surface of the tubes can be treated to improve hardness, smoothness or other requirements.

Further, all materials can be fully finished according to the client's wishes: with closure plates, flanges, threaded fittings, or others to drawing.

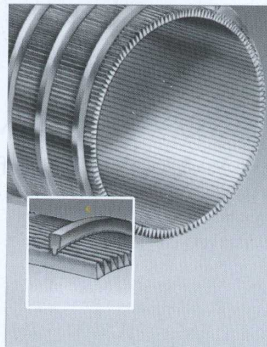
Our elements can be installed as well for filtration from outside to inside (=standard construction), as from inside to outside. For the latter, the V-profile can be welded onto the support bars in a reversed position.



Furthermore, there is a possibility to open and roll the

tubes, so that they can be used as flat or curved screens.

In a second step, by rerolling in the other direction, we obtain a cylindrical form featuring a fully smooth surface inside with axial slot direction. This type of elements is used



in filters with automatic cleaning by means of screws, brushes, scrapers, rotating suction arms, or by rinsing under pressure.

Just contact us for your application: we have a suited solution for simple or more complex separation techniques. For us, quality means developing products adapted to the client's requirements.

# UNITRADE

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