



U.S.A.

# HYDRO-TAPE™

Distributed by:

**Turbulent Flow  
Maximum water  
distribution uniformity**



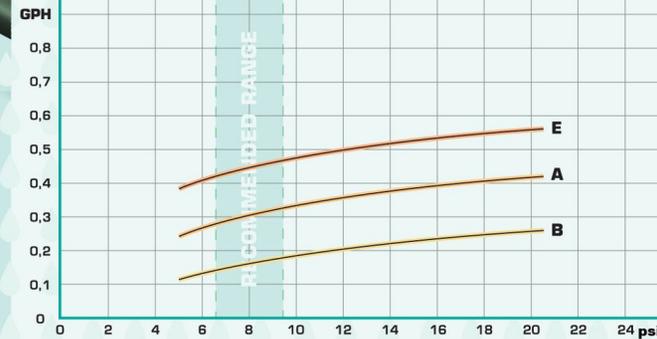
## HYDRO-TAPE TECHNICAL DATA

### DEFINITIONS

- P** pressure (psi)
- E** extra high flow
- A** high flow
- M** medium flow
- B** low flow
- EU** emission uniformity (%)  $EU = \{Q_{min}/Q_{av}\} \{1 - 1,27 \cdot Cv / \sqrt{n}\} \cdot 100$
- QH** feet per acre (feet/acre)
- QM** flow GPM/100' at 8 psi
- RF** row spacing (Inch)
- S** outlet spacing (Inch)
- T** slope (%)

			
mil	mm	feet	max psi
4	0,100	15.000	10
5	0,125	12.500	10
6	0,150	10.000	11
8	0,200	7.500	14
10	0,250	6.000	14
12	0,300	5.000	17
15	0,375	4.000	21

### OUTLET PERFORMANCE



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		<b>.25 gpm/100'</b>		<b>1.9 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	220	270	325	380	410
	<b>85</b>	390	505	580	640	700
	<b>80</b>	530	650	745	820	900
-1%	<b>90</b>	360	430	480	500	550
	<b>85</b>	580	675	750	800	860
	<b>80</b>	730	840	930	1000	1080
0	<b>90</b>	665	685	700	720	760
	<b>85</b>	775	935	970	1010	1050
	<b>80</b>	1080	1140	1200	1230	1270
1%	<b>90</b>	825	840	855	860	880
	<b>85</b>	1125	1145	1160	1180	1200
	<b>80</b>	1350	1390	1405	1430	1450
2%	<b>90</b>	825	915	930	955	975
	<b>85</b>	1200	1235	1265	1285	1310
	<b>80</b>	1430	1490	1510	1530	1570

		<b>.34 gpm/100'</b>		<b>2.5 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	175	215	260	300	330
	<b>85</b>	310	400	455	505	555
	<b>80</b>	415	510	585	640	700
-1%	<b>90</b>	290	345	390	400	440
	<b>85</b>	455	535	595	630	680
	<b>80</b>	575	660	730	780	840
0	<b>90</b>	530	550	565	575	610
	<b>85</b>	695	740	780	800	830
	<b>80</b>	845	890	935	965	995
1%	<b>90</b>	660	670	680	690	700
	<b>85</b>	890	900	920	930	950
	<b>80</b>	1055	1085	1100	1120	1135
2%	<b>90</b>	690	730	745	765	790
	<b>85</b>	950	980	1000	1005	1035
	<b>80</b>	1120	1165	1180	1195	1230

		<b>.45 gpm/100'</b>		<b>3.4 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	155	190	230	265	290
	<b>85</b>	275	350	405	445	490
	<b>80</b>	360	445	510	565	615
-1%	<b>90</b>	250	300	340	350	390
	<b>85</b>	405	470	525	560	600
	<b>80</b>	500	580	640	680	740
0	<b>90</b>	470	480	495	505	535
	<b>85</b>	615	655	680	710	735
	<b>80</b>	740	780	820	845	870
1%	<b>90</b>	580	595	600	605	615
	<b>85</b>	790	800	810	825	835
	<b>80</b>	950	950	965	985	1000
2%	<b>90</b>	605	645	655	670	690
	<b>85</b>	835	865	885	890	915
	<b>80</b>	985	1025	1035	1050	1075

		<b>.67 gpm/100'</b>		<b>5 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	110	140	165	195	210
	<b>85</b>	195	255	290	320	350
	<b>80</b>	265	325	375	415	455
-1%	<b>90</b>	185	220	245	255	285
	<b>85</b>	290	340	375	400	435
	<b>80</b>	365	425	470	500	540
0	<b>90</b>	340	350	360	365	390
	<b>85</b>	445	470	490	510	530
	<b>80</b>	540	570	600	620	640
1%	<b>90</b>	425	435	436	440	450
	<b>85</b>	565	575	585	595	600
	<b>80</b>	675	695	705	720	730
2%	<b>90</b>	440	470	475	490	495
	<b>85</b>	600	620	635	640	655
	<b>80</b>	720	750	760	770	790

		<b>1.0 gpm/100'</b>		<b>7.5 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	79	98	115	134	148
	<b>85</b>	141	177	203	226	249
	<b>80</b>	187	230	266	292	318
-1%	<b>90</b>	128	154	174	180	200
	<b>85</b>	203	239	266	282	305
	<b>80</b>	259	298	330	355	385
0	<b>90</b>	240	245	253	260	272
	<b>85</b>	312	331	344	360	374
	<b>80</b>	384	403	423	436	453
1%	<b>90</b>	295	302	308	310	315
	<b>85</b>	400	407	413	420	426
	<b>80</b>	480	492	498	508	515
2%	<b>90</b>	308	328	335	344	350
	<b>85</b>	426	440	450	453	466
	<b>80</b>	508	528	535	541	558

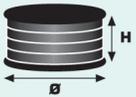
		<b>2.0 gpm/100'</b>		<b>15 l/h·m</b>		
<b>T</b> %	<b>EU</b> %	<b>psi</b>				
		<b>6</b>	<b>8</b>	<b>10</b>	<b>12</b>	<b>14</b>
-2%	<b>90</b>	49	62	75	85	95
	<b>85</b>	75	95	108	121	134
	<b>80</b>	95	118	134	151	164
-1%	<b>90</b>	82	98	112	115	128
	<b>85</b>	108	128	141	151	164
	<b>80</b>	134	154	170	180	197
0	<b>90</b>	154	157	161	164	174
	<b>85</b>	167	177	184	194	200
	<b>80</b>	197	207	216	223	230
1%	<b>90</b>	190	194	197	200	203
	<b>85</b>	213	216	220	223	226
	<b>80</b>	246	253	256	259	262
2%	<b>90</b>	197	210	213	217	220
	<b>85</b>	226	233	239	243	249
	<b>80</b>	259	272	276	279	285



	<b>S</b>	<b>QM</b>
<b>E</b>	4 - 1/4"	2
	8 - 1/2"	1
	12 - 1/2"	0,67
	17"	0,5
<b>A</b>	8 - 1/2"	0,67
	12 - 1/2"	0,45
	17"	0,34
<b>M</b>	4 - 1/4"	1
	6 - 1/4"	0,67
<b>B</b>	8 - 1/2"	0,34
	12 - 1/2"	0,25



<b>QUANTITY / ACRE</b>	
<b>RF</b>	<b>QH</b>
24"	21.768
30"	17.424
36"	14.520
42"	12.446
46"	11.363
54"	9.680
60"	8.712
70"	7.467
82"	6.371
95"	5.500
105"	4.975
120"	4.354


<b>Ø x H inches</b>	<b>WEIGHT lbs.</b>
<b>20 - 1/2" x 12"</b>	<b>66</b>