TABLE OF HEAD LOSS AND WATER SPEED DELIVERY (Galvanized pipes)

DELIVERY			NOMINAL DIAMETERS IN INCHES AND MILLIMETERS											
m^3/h	lt./min.	lt./sec.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"
			15,75	21,25	27,00	35,75	41,25	52,50	68,00	80,25	92,50	105,00	130,00	155,50
0,6	10	0,16	*0,855* 9,910	*0,470* 2,407	*0,292* 0,784									
0,9	15	0,25	*1,282* 20,11	*0,705* 4,862	*0,438* 1,570	*0,249* 0,416								
1,2	20	0,33	*1,710* 33,53	*0,940* 8,035	*0,584* 2,588	*0,331* 0,677	*0,249* 0,346							
1,5	25	0,42	*2,138* 49,93	*1,174* 11,91	*0,730* 3,834	*0,415* 1,004	*0,312* 0,510							
1,8	30	0,50	*2,565* 69,34	*1,409* 16,50	*0,876* 5,277	*0,498* 1,379	*0,374* 0,700	*0,231* 0,223						
2,1	35	0,58	*2,993* 91,54	*1,644* 21,75	*1,022* 6,949	*0,581* 1,811	*0,436* 0,914	*0,269* 0,291						
2,4	40	0,67		*1,879* 27,66	*1,168* 8,820	*0,664* 2,290	*0,499* 1,160	*0,308* 0,368						
3,0	50	0,83		*2,349* 41,40	*1,460* 13,140	*0,830* 3,403	*0,623* 1,719	*0,385* 0,544	*0,229* 0,159					
3,6	60	1,00		*2,819* 57,74	*1,751* 18,28	*0,996* 4,718	*0,748* 2,375	*0,462* 0,751	*0,275* 0,218					
4,2	70	1,12		*3,288* 76,49	*2,043* 24,18	*1,162* 6,231	*0,873* 3,132	*0,539* 0,988	*0,321* 0,287	*0,231* 0,131				
4,8	80	1,33			*2,335* 30,87	*1,328* 7,940	*0,997* 3,988	*0,616* 1,254	*0,376* 0,363	*0,263* 0,164				
5,4	90	1,50			*2,627* 38,30	*1,494* 9,828	*1,122* 4,927	*0,693* 1,551	*0,413* 0,449	*0,296* 0,203				
6,0	100	1,67			*2,919* 46,49	*1,660* 11,90	*1,247* 5,972	*0,770* 1,875	*0,459* 0,542	*0,329* 0,244	*0,248* 0,124			
7,5	125	2,08			*3,649* 70,41	*2,075* 17,93	*1,558* 8,967	*0,962* 2,802	*0,574* 0,809	*0,412* 0,365	*0,310* 0,185	*0,241* 0,101		
9,0	150	2,50				*2,490* 25,11	*1,870* 12,53	*1,154* 3,903	*0,688* 1,124	*0,494* 0,506	*0,372* 0,256	*0,289* 0,140		
10,5	175	2,92				*2,904* 33,32	*2,182* 16,66	*1,347* 5,179	*0,803* 1,488	*0,576* 0,670	*0,434* 0,338	*0,337* 0,184		
12	200	3,33				*3,319* 42,75	*2,493* 21,36	*1,539* 6,624	*0,918* 1,901	*0,659* 0,855	*0,496* 0,431	*0,385* 0,234	*0,251* 0,084	
15	250	4,17				*4,149* 64,86	*3,117* 32,32	*1,924* 10,03	*1,147* 2,860	*0,823* 1,282	*0,620* 0,646	*0,481* 0,350	*0,314* 0,126	
18	300	5,00					*3,740* 45,52	*2,309* 14,04	*1,377* 4,009	*0,988* 1,792	*0,744* 0,903	*0,577* 0,488	*0,377* 0,175	*0,263* 0,074
24	400	6,67					*4,987* 78,17	*3,078* 24,04	*1,836* 6,828	*1,317* 3,053	*0,992* 1,530	*0,770* 0,829	*0,502* 0,294	*0,351* 0,124
30	500	8,33						*3,848* 36,71	*2,295* 10,40	*1,647* 4,622	*1,240* 2,315	*0,962* 1,254	*0,628* 0,445	*0,439* 0,187
36	600	10,00						*4,618* 51,84	*2,753* 14,62	*1,976* 6,505	*1,488* 3,261	*1,155* 1,757	*0,753* 0,623	*0,526* 0,260
42	700	11,70							*3,212* 19,52	*2,306* 8,693	*1,736* 4,356	*1,347* 2,345	*0,879* 0,831	*0,614* 0,347
48	800	13,30							*3,671* 25,20	*2,635* 11,18	*1,984* 5,582	*1,540* 3,009	*1,005* 1,066	*0,702* 0,445
54	900	15,00							*4,130* 31,51	*2,964* 13,97	*2,232* 6,983	*1,732* 3,762	*1,130* 1,328	*0,790* 0,555
60	1000	16,70							*4,589* 38,43	*3,294* 17,06	*2,480* 8,521	*1,925* 4,595	*1,256* 1,616	*0,877* 0,674
75	1250	20,80								*4,117* 26,10	*3,100* 13,00	*2,406* 7,010	*1,570* 2,458	*1,097* 1,027
90	1500	25,00								*4,941* 36,97	*3,720* 18,42	*2,887* 9,892	*2,197* 3,458	*1,316* 1,444
105	1750	29,20									*4,340* 24,76	*3,368* 13,30	*2,511* 4,665	*1,535* 1,934
120	2000	33,30									*4,960* 31,94	*3,850* 17,16	*3,139* 5,995	*1,754* 2,496
150	2500	41,70										*4,812* 26,26	*3,767* 9,216	*2,193* 3,807
180	3000	50,00											*5,023* 13,05	*2,632* 5,417
240	4000	66,70											*0,000* 22,72	*3,509* 8,926
300	5000	83,30												*4,386* 14,42

Large numbers: Head loss in meters for each 100m of pipe.

Small numbers: Water speed in meters per second.

N.B. - To evaluate head loss for pipes of a different material, the value found for galvanized pipes needs to be multiplied by the following fixed coefficients:

0,6 - for PVC pipes;
0,7 - for aluminum pipes;
0,8 - for rolled steel pipes;
1,3 - for Transite pipes.