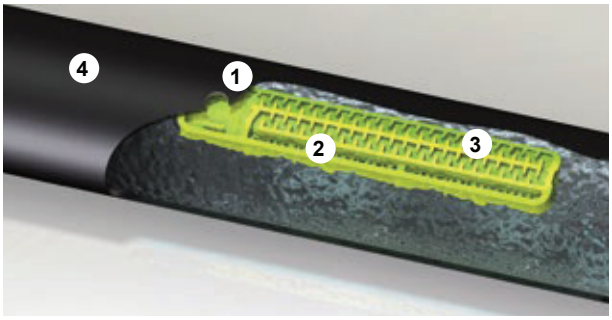
DRIPLINE WITH FLAT DRIPPER

HighGradeis a non-pressure compensating heavy-wall dripline with an injection molded flat dripper for traditional heap leaching applications in mines.

FEATURES AND BENEFITS

- Manufactured using chemical resistant polyethylene resins for durability and longevity.
- Innovative low-profile dripper boasts the largest filtration area in its' class, reducing friction loss and chances of plugging.
- Injection molded D7 drippers provide a high degree of uniformity with very low CV, resulting in uniform water and solution distribution at a greater level of application.
- Superior clog resistance.
- Specially designed large turbulent flow path with large cross section aids in the self-cleaning ability, making it suitable for dirty water.
- UV and acid resistant.
- Recommended minimum filtration of 120 mesh.
- Available in 16mm, 18mm, & 20mm sizes in a variety of spacings.
- Four drippers available at 1.1 lph, 1.5 lph, 2.1 lph, 3.8 lph & 7.8 lph.
- Operating pressure range 5 psi to 50 psi.

DRIPLINE



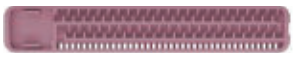
1 - Outlet holes
2 - Inlet filter with large filtering surface
3 - Turbulent flow labyrinth
4 - Polyethylene pipe

DRIPLINE TECHNICAL DATA

NOMINAL EXTERNAL Ø	INTERNAL DIAMETER	EXTERNAL DIAMETER	PRICELIST REF.	THICKNESS		MAX. WORKING PRESSURE		KD
mm	mm	mm	-	mil	mm	bar	psi	-
16	13,8	15,3	FAGA30	30	0,75	2,5	36	0,4
		15,6	FAGA35	35	0,90	3,0	43	
		15,8	FAGA40	40	1,00	4,0	58	
18	15,72	17,52	FAGG35	35	0,9	3	43	0,24
		17,72	FAGG40	40	1	3,5	51	
		17,92	FAGG44	44	1,1	3,5	51	
20	17,7	19,5	FAGB35	35	0,90	3,0	43	0,1
		19,7	FAGB40	40	1,00	3,5	51	
		19,9	FAGB44	44	1,10	3,5	51	
		20,1	FAGB47	47	1,20	4,0	58	

DRIPPER CHARACTERISTICS

ACTUAL FLOW RATE LPH	DIMENSIONS OF LABYRINTH IN MM			INLET FILTER		RECOMMENDED FILTERING	FLOW EQUATION		CV
a 1,0 bar / 14,5 psi	Height	Width	Lenght	area mm²	No. holes	Mesh	k	x	%
1,1	0,8	0,60	39	11,1	38	150	0,37	0,48	2,5
1,5	0,9	0,70	39	12,8	38	120	0,50	0,48	2,5
2,1	1,1	0,85	39	14,5	38	120	0,71	0,47	2,5
3,8	1,1	1,20	39	15,6	38	100	1,27	0,48	2,5
7,8	1,4	1,30	39	15,0	38	100	2,57	0,48	2,5


1,1 LPH PINK


1,5 LPH YELLOW


2,1 LPH LIGHT BLUE

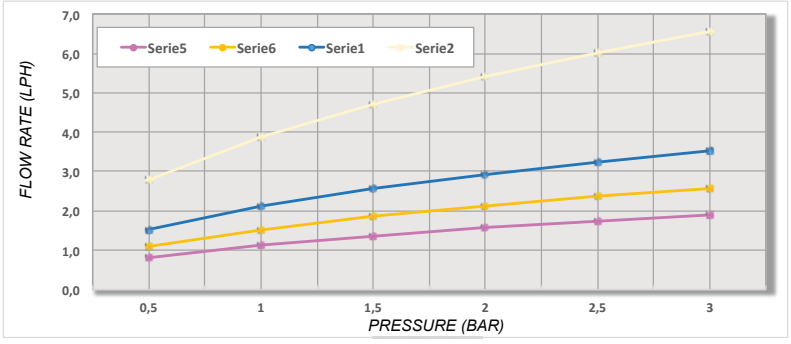

3,8 LPH GREEN


7.8 LPH RED

Available flow rates

PRESSURE - FLOW RATE RATIO

ACTUAL FLOW RATE LPH	PRESSURE (BAR)					
a 1,0 bar / 14,5 psi	0,5	1,0	1,5	2,0	2,5	3
1,1	0,81	1,13	1,37	1,57	1,75	1,91
1,5	1,09	1,52	1,85	2,13	2,37	2,58
2,1	1,53	2,11	2,56	2,93	3,25	3,54
3,8	2,76	3,74	4,51	5,09	5,66	6,16
7,8	5,70	7,90	9,50	10,9	12,1	13,2



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