

Selection Criteria	Concepts					
	1- non- renewable tipping	2- single pump	3-multiple pumps	4- hose	5- buckets	6-water wheel
Reliable	-	+	+	0	-	-
steady flow	0	+	-	-	-	-
quiet	+	0	-	-	-	-
adjustable flow rate	+	+	+	+	0	0
inexpensive	+	+	-	+	+	-
safe	-	+	+	+	-	-
reuses water	-	+	+	-	+	-
low waist	-	+	+	-	-	-
simple	-	+	+	+	-	-
Sum "+"s	3	8	6	4	2	0
Sum "0"s	1	1	0	1	1	1
Sum "-"s	5	0	3	4	6	-8
Cumulative	-2	8	3	0	-4	-8
Continue?	No	Yes	Yes	No	No	No