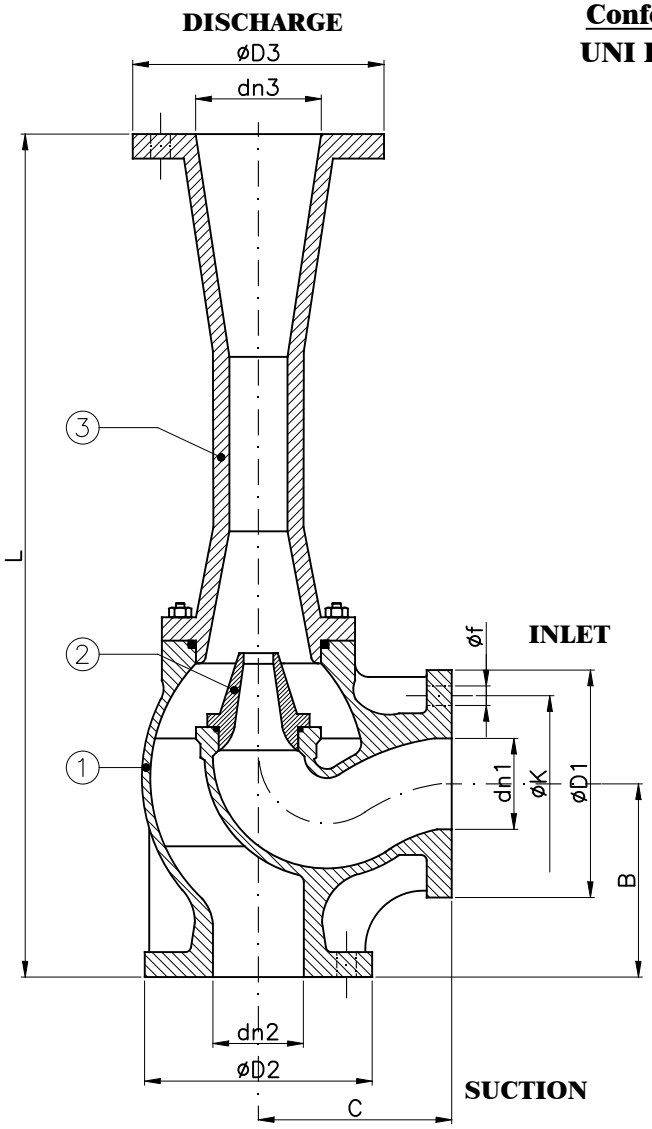
Eiettori tipo "A"
Type "A" ejectors

Tab.EJ-A

Conform to:
UNI EN1092

Specifications

Motive liquid pressure: 1.5 – 15 bar g
Suction lift: up to 7mt
Suction capacities: more than 120 mc/h
Discharge head: up to 30 mt
Connections: all flanges DIN NP10
Test: each ejector is subject to careful testing and certified by an hydrostatic test report



Ejectors "A" type
Coefficient values K=Qs/Qm=suction capacity/motive liquid consumption
Table 1

Suction Lift (mwc)	Motive Pressure (bar g)	Delivery head (mwc) 5	10	15	20	25	30
	1.5	0.55					
	2	0.6	0.2				
	3	1.1	0.5	0.24			
	4	1.45	0.8	0.48	0.25		
	5	1.8	1.05	0.72	0.4	0.25	
2mt	6	2.15	1.3	0.95	0.55	0.38	0.25
	7	2.5	1.5	1.06	0.7	0.5	0.35
	8	2.8	1.7	1.17	0.85	0.6	0.45
	9	3.1	1.9	1.3	0.95	0.7	0.45
	10	3.4	2.1	1.45	1.05	0.8	0.65
	11	3.6	2.3	1.6	1.15	0.9	0.75
	12	3.8	2.5	1.75	1.25	1	0.85

Ejectors "A" type
Coefficient values K=Qs/Qm=suction capacity/motive liquid consumption
Table 2

Suction Lift (mwc)	Motive Pressure (bar g)	Delivery head (mwc) 5	10	15	20	25	30
	1.5	0.27					
	2	0.54	0.17				
	3	0.81	0.39	0.18			
	4	1.08	0.61	0.35	0.18		
	5	1.35	0.8	0.5	0.32	0.18	
5mt	6	1.62	0.98	0.65	0.44	0.31	0.19
	7	1.81	1.12	0.8	0.55	0.41	0.3
	8	2	1.26	0.92	0.65	0.5	0.38
	9	2.18	1.39	1	0.75	0.58	0.45
	10	2.34	1.53	1.1	0.85	0.66	0.52
	11	2.5	1.67	1.2	0.93	0.72	0.59
	12	2.65	1.8	1.3	1	0.8	0.65

Example: required capacity: 100mc/h – delivery head: 15mwc
Motive pressure: 10 bar g – suction lift: 5 mwc
From table2: K=1.1
This ratio indicates the ejector will have a suction capacity equal to 1.1 mc for every mc of inlet liquid
Motive liquid consumption: 91 mc/h
from table A the size 100–125–150 is chosen

SIZE	Total capacity at discharge mc/h	dn1	D1	dn2	D2	dn3	D3	L	B	C	Weight (Kg)
40–50–65	24	40	150	50	165	65	185	515	100	105	23
50–65–65	28	50	165	65	185	65	185	570	125	130	33
65–65–80	42	65	185	65	185	80	200	680	125	130	38
80–80–100	70	80	200	80	200	100	220	800	170	170	54
100–100–125	120	100	220	100	220	125	250	1070	195	170	98
100–125–150	200	100	220	125	250	150	285	1335	130	185	118

DN	K	f	Holes No. f
40	110	18	4
50	125	18	4
65	145	18	4
80	160	18	8
100	180	18	8
125	210	18	8
150	240	22	8

Combinazione materiali standard – Standard materials Combination

ITEM	DENOMINAZIONE DENOMINATION	B/316 MATERIALE MATERIAL	GS/316 MATERIALE MATERIAL
01	Head	Bronze UNI EN1982 G-CuSn5Zn5Pb5	Nodular cast iron EN-GJS-400-15U UNI EN1563
02	Nozzle	Stainless steel AISI316 UNI EN10088	Stainless steel AISI316 UNI EN10088
03	Diffusor	Bronze UNI EN1982 G-CuSn5Zn5Pb5	Nodular cast iron EN-GJS-400-15U UNI EN1563

Nota: Combinazioni materiali non standard a richiesta
Note: Non standard materials combinations on request