

EIETTORI IN PVC

PVC INJECTORS

15





SP820



SP820

Campi di applicazione

Gli eiettori vengono impiegati per miscelezioni, post-miscelezioni, dosaggio, pompaggio ed evacuazione serbatoi

Principio di funzionamento

Il liquido motrice proveniente dalla tubazione principale e spinto da una pompa o dalla pressione di rete, viene accelerato dal diametro ridotto dell' ugello. L' accelerazione del liquido provoca una depressione dal lato aspirazione con conseguente aspirazione di liquido o gas. Il volume di aspirazione è dipendente dalla pressione del liquido motrice e dal diametro dell' ugello. Vedi diagrammi successivi.

Tipi di fluidi

Gli eiettori possono essere impiegati su gas o liquidi aggressivi e neutri compatibilmente con la scelta del materiale di composizione dell' eiettoe (contattare l' ufficio tecnico Hytek).

Materiali

- Corpo/ugello: uPVC, PP o PVDF

- O-rings: EPDM o FPM

Pressione nominale

- uPVC: _____ PN 10

- PP: _____ PN 10

- PVDF: _____ PN 10

Temperature medie

Dipende dalle condizioni operative (pressione dell' impianto, densità del fluido, etc.). Di seguito si indicano approssimativamente le temperature minime e massime di funzionamento:

- uPVC: _____ - 10 fino a + 60°C

- PP: _____ +10 fino a + 80°C

- PVDF: _____ - 30 fino a +120°C

- EPDM: _____ - 30 fino a +120°C

- FPM: _____ - 30 fino a +120°C

Pressione di esercizio

Vedi diagrammi in relazione al materiale dell' eiettoe

Attacchi dal DN10 fino al DN50

- Bocchettoni ad incollaggio in PVC DIN/ISO.

Attacchi DN65 fino al DN80

- Bocchettoni ad incollaggio DIN/ISO.

- Bocchettoni a saldare DIN/ISO.

- Connessioni flangiate a richiesta

Volume di aspirazione

Per i valori standard vedi diagrammi. Si raccomanda il dimensionamento del foro dell' ugello per l' ottimizzazione del punto operativo di aspirazione corretto.

Colore dell' eiettoe

- uPVC: grigio, RAL 7011

- PP: grigio, RAL 7032

- PVDF: opaco, bianco - giallastro

- PP- su richiesta neutro

Range of application

Water-jet pumps are used for admixing, mixing, dosing, pumping out and evacuating of tanks.

Working principle

Driving liquid, which comes in main flow direction out of the nozzle installed in the water-jet pump, is accelerated by the diameter reduction of the nozzle. This acceleration causes low pressure at the suction spigot end sucking liquids or gaseous media. The suction volume is a function of the driving liquid pressure and the nozzle bore. As to standard values of the suction volume see diagrams.

Type of fluids

Neutral, aggressive or gaseous liquids provided that the selected materials are resistant at operating temperature. Refer to the resistance guide (please contact Hytek technical office).

Materials

- Housing/nozzle: uPVC, PP or PVDF

- Sealings: EPDM or FPM

Nominal pressure

- uPVC: _____ PN 10

- PP: _____ PN 10

- PVDF: _____ PN 10

Media temperature

Depends on the operating conditions (system pressure, load etc.). Taking creep strength into account, the following approximate temperatures apply:

- uPVC: _____ - 10 up to + 60°C

- PP: _____ +10 up to + 80°C

- PVDF: _____ - 30 up to +120°C

- EPDM: _____ - 30 up to +120°C

- FPM: _____ - 30 up to +120°C

Operating pressure

See material dependent pressure/temperature diagram.

Connection DN 10 up to DN 50

- Union socket with Inserts (PVC) for solvent welding acc. DIN/ISO.

Connection DN 65 and DN 80

- Spigot ends for solvent welding acc. DIN/ISO.

- Spigot ends for fusion welding acc. DIN/ISO.

- Flange connection on request.

Suction volume

Standard values see diagram. We recommend an empiric determination by adjusting the nozzle bore to the desired operating point.

Colour Housing

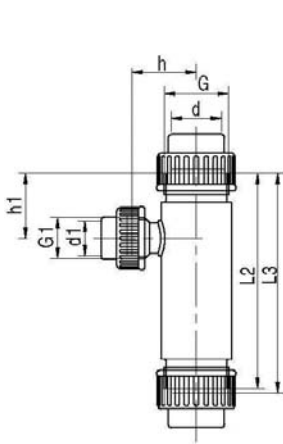
- uPVC: grey, RAL 7011

- PP: grey, RAL 7032

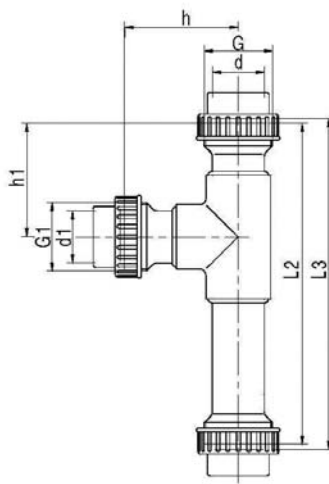
- PVDF: opaque, yellowish-white

- PP- nature on request

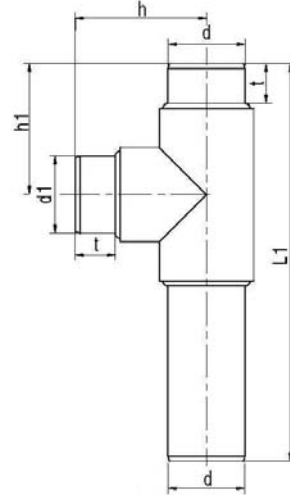
DIMENSIONI / DIMENSIONS



DN 10 - DN 20



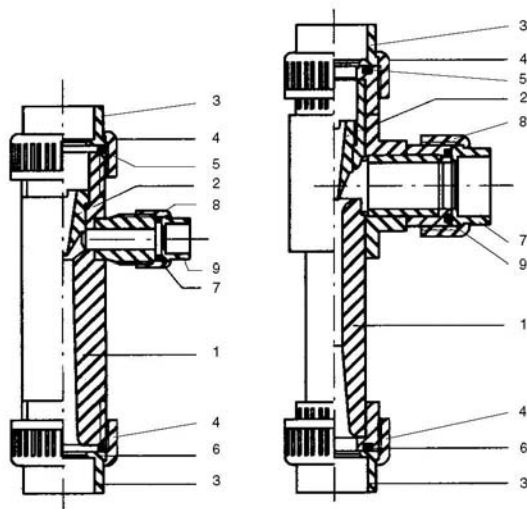
DN 25 - DN 50



DN 65 - DN 80

d mm	DN mm	DN inch	d1	G inch	G1 inch	h mm	h1 mm	L1 mm	L2 mm	L3 mm	f mm
16	10	3/8	16	R 3/4	R 3/4	35	40	-	110	116	-
20	15	1/2	16	R 1	R 3/4	35	40	-	110	116	-
25	20	3/4	16	R 1 1/4	R 3/4	45	45	-	145	151	-
32	25	1	32	R 1 1/2	R 1 1/2	71	71	-	195	201	-
40	32	1 1/4	40	R 2	R 2	87	87	-	239	245	-
50	40	1 1/2	50	R 2 1/4	R 2 3/4	105	105	-	301	307	-
63	50	2	63	R 2 3/4	R 2 3/4	128	128	-	351	357	-
75	65	2 1/2	75	R -	R -	115	115	388	-	-	44
90	80	3	75	R -	R -	149	149	465	-	-	51

RICAMBI / SPARE PARTS



Pos.	Qty.	Description
1	1	Water-jet pump
2	1	Nozzle
3	2	Insert
4	2	Union nut
5*	1	O-ring
6	1	O-ring
7	1	Insert
8	1	Union nut
9	1	O-ring

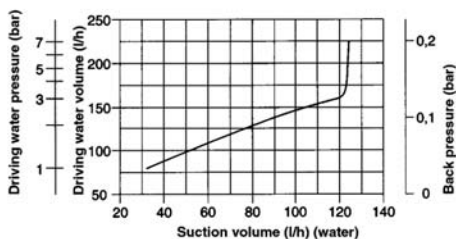
* up to DN 20 flat seal ring

CURVE DI FUNZIONAMENTO / PERFORMANCE CURVE

EI54385/EI61385 (SP820 DN10)

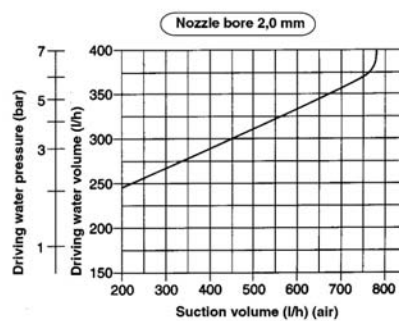
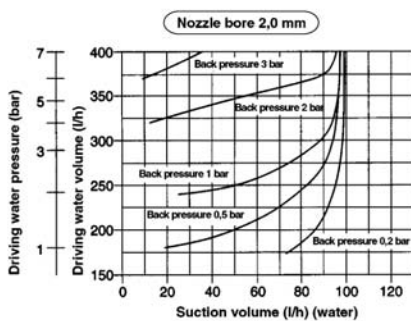
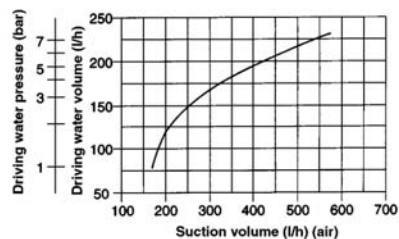
Suction media: water

Nozzle bore 1,5 mm



Suction media: air

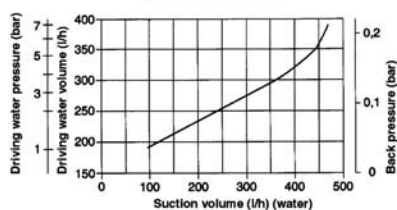
Nozzle bore 1,5 mm



EI54386/EI59679 (SP820 DN15)

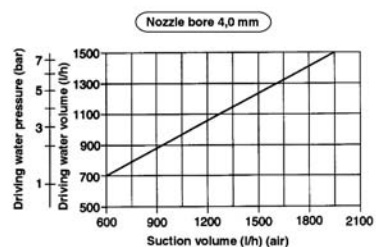
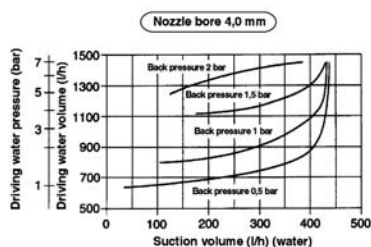
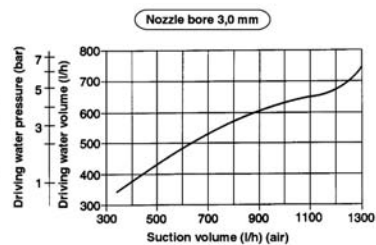
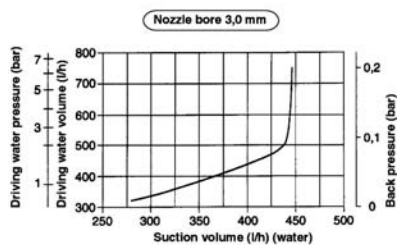
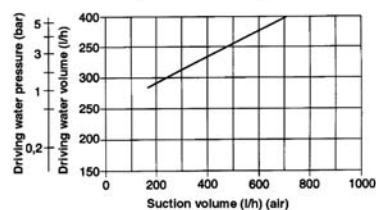
Suction media: water

Nozzle bore 2,0 mm



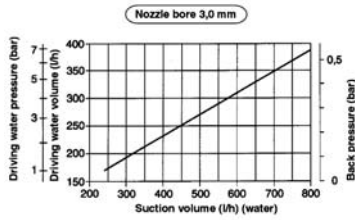
Suction media: air

Nozzle bore 2,0 mm

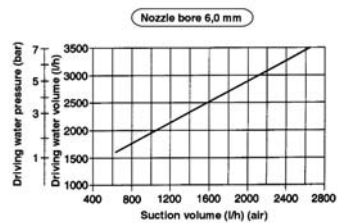
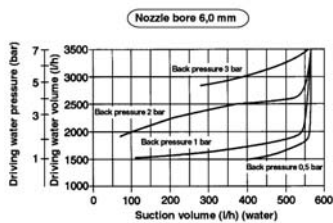
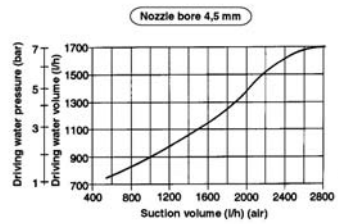
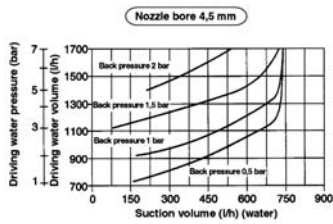
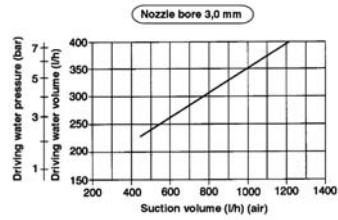


EI54389/EI57140 (SP820 DN20)

Suction media: water

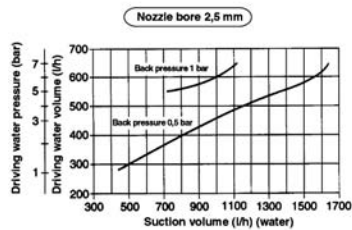


Suction media: air

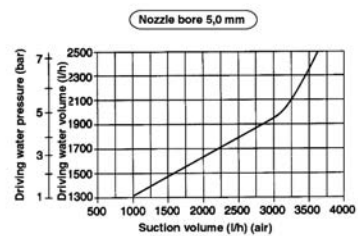
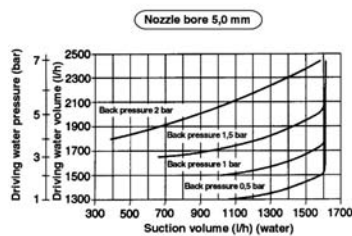
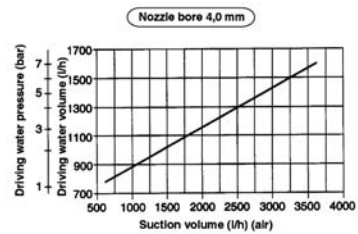
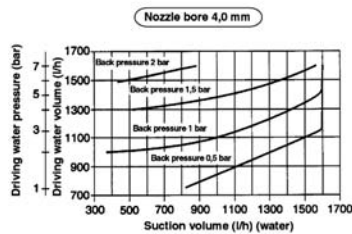
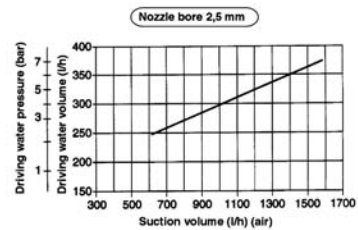


EI54387/EI60123 (SP820 DN25)

Suction media: water



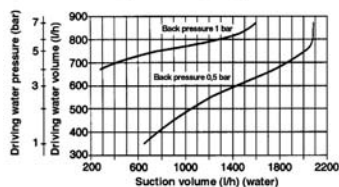
Suction media: air



EI54388/EI59794 (SP820 DN32)

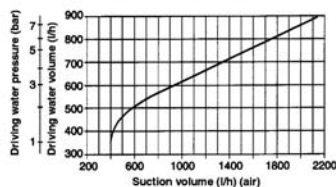
Suction media: water

Nozzle bore 3,0 mm

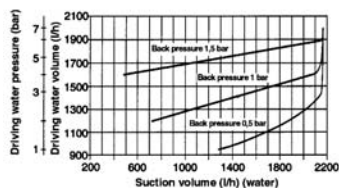


Suction media: air

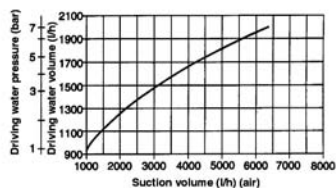
Nozzle bore 3,0 mm



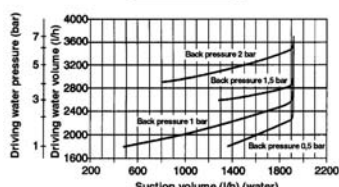
Nozzle bore 4,5 mm



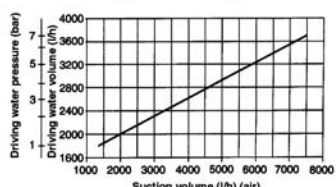
Nozzle bore 4,5 mm



Nozzle bore 6,0 mm



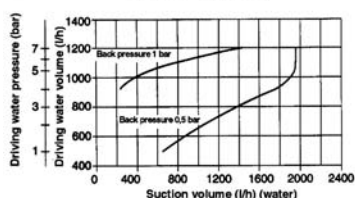
Nozzle bore 6,0 mm



EI54390/EI59698 (SP820 DN40)

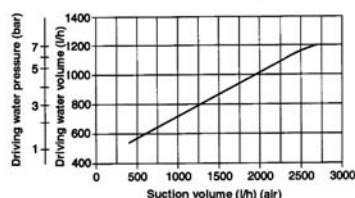
Suction media: water

Nozzle bore 3,5 mm

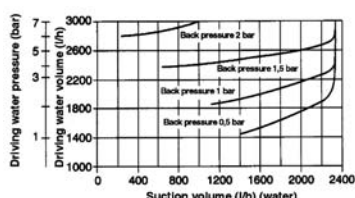


Suction media: air

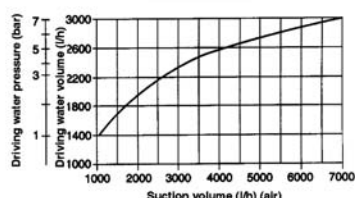
Nozzle bore 3,5 mm



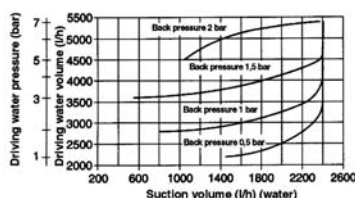
Nozzle bore 5,5 mm



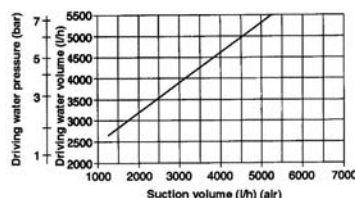
Nozzle bore 5,5 mm



Nozzle bore 7,5 mm

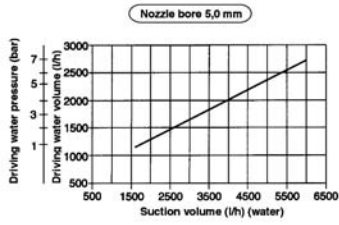


Nozzle bore 7,5 mm

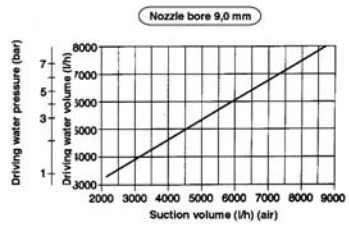
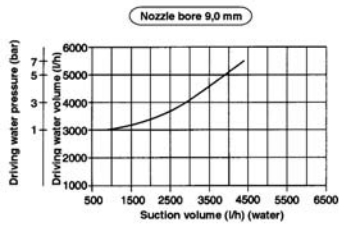
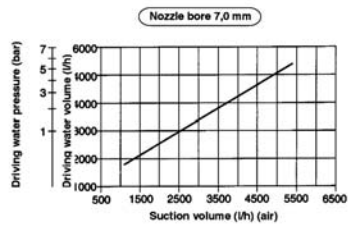
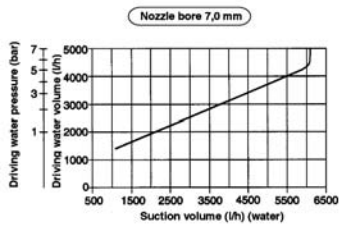
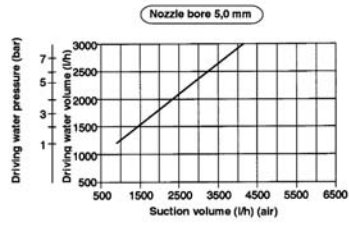


EI54391/EI61335 (SP820 DN50)

Suction media: water

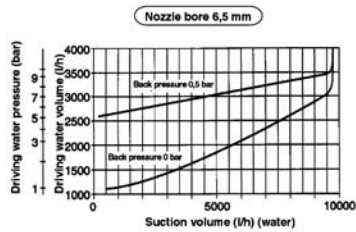


Suction media: air

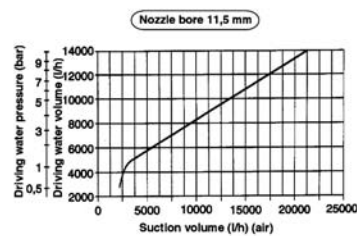
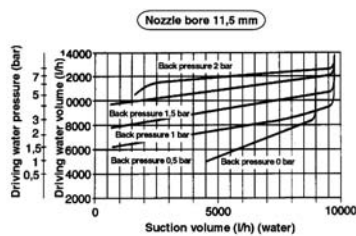
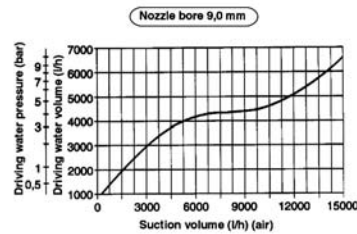
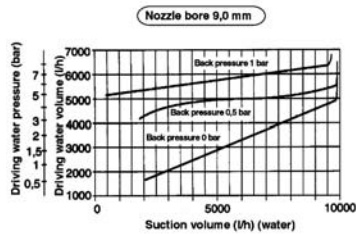
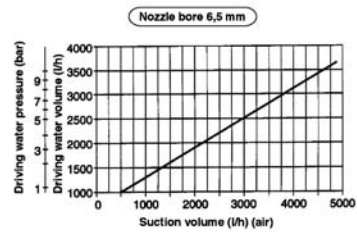


EI64866/EI65948 (SP820 DN65)

Suction media: water



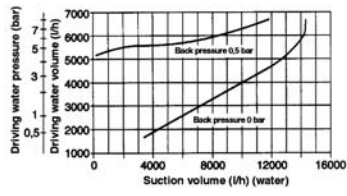
Suction media: air



EI61352/EI65949 (SP820 DN80)

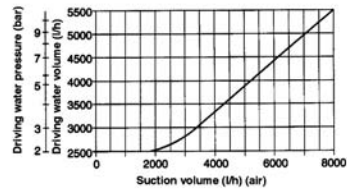
Suction media: water

Nozzle bore 8,0 mm

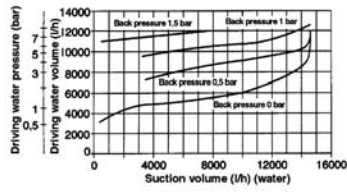


Suction media: air

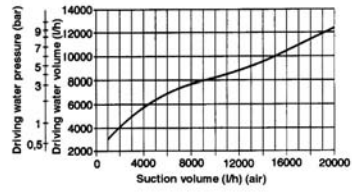
Nozzle bore 8,0 mm



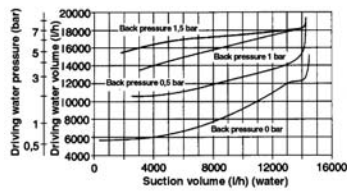
Nozzle bore 11,0 mm



Nozzle bore 11,0 mm



Nozzle bore 14,0 mm



Nozzle bore 14,0 mm

