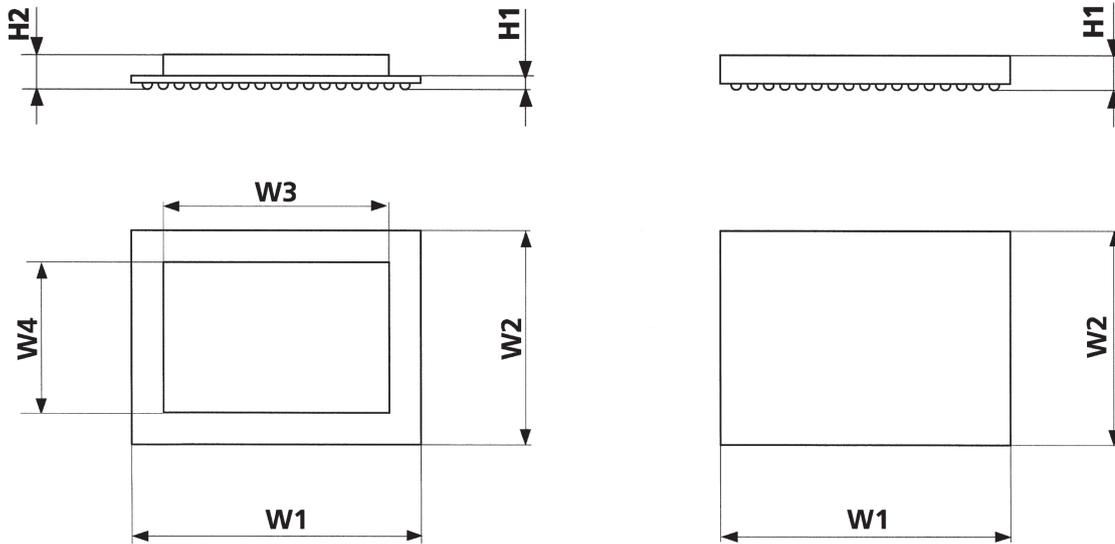


## GAS NOZZLES FOR SMT COMPONENTS



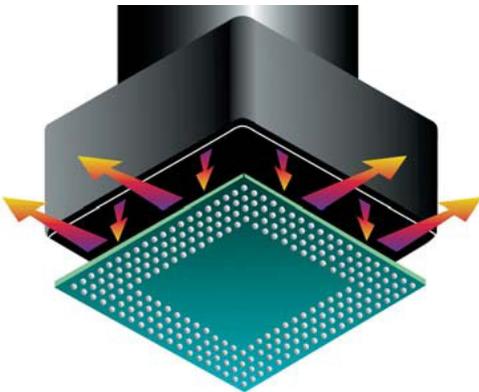
# GAS NOZZLE DEFINITION

For quotations and orders the advice for the system type (DRS or ONYX) is required and the following dimensions are necessary for the definition of the gas nozzle:



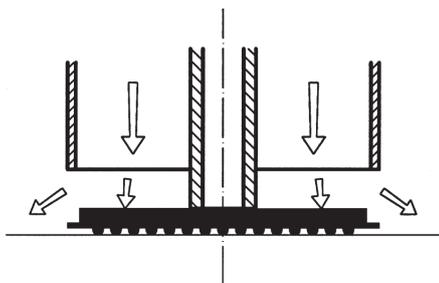
## EZ / EZL GAS NOZZLES

For PBGA, TBGA, CBGA, CCGA SBGA



EZ gas nozzle / EZL gas nozzle

- Distance to the next component: 0.0 mm
- Vacuum tube is adjustable

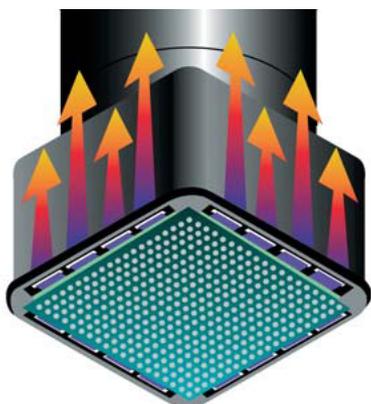


### Examples

Order No.	Component dimensionen in mm				
	W1	W2	W3	W4	H1
CH N 394 EZ(L) 394	10.0	10.0			
CH N 700 EZ(L) 700	18.0	18.0			
CH N 826 EZ(L) 826	21.0	21.0			
CH N 984 EZ(L) 984	25.0	25.0			
CH N 1062 EZ(L) 1062	27.0	27.0			
CH N 1220 EZ(L) 1220	31.0	31.0			
CH N 1377 EZ(L) 1377	35.0	35.0			
CH N 1574 EZ(L) 1574	40.0	40.0			
CH N 1732 EZ(L) 1732	44.0	44.0			

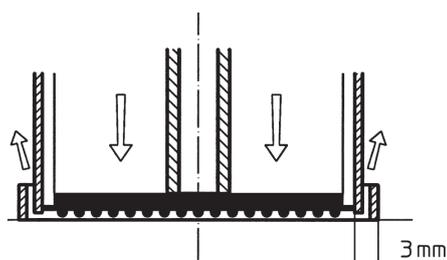
## X GAS NOZZLES

For PBGA, TBGA, CBGA, CCGA SBGA



### X Gas Nozzle

- Distance to the next component: min. 3.0 mm
- Vacuum tube is adjustable



### Examples

Order No.	Component dimensions in mm				
	W1	W2	W3	W4	H1
CH N 400 X 400-11	9.9	9.9			0.7
CH N 562 X 881-17	14.0	22.1			1.3
CH N 687 X 687-15	17.2	17.2			1.1
CH N 842 X 842-20	21.1	21.1			1.6
CH N 921 X 921-22	23.1	23.1			1.8
CH N 1081 X 1081-15	27.2	27.2			1.1
CH N 1232 X 1232-17	31.0	31.0			1.3
CH N 1433 X 1433-17	36.1	36.1			1.3
CH N 1594 X 1594-18	40.2	40.2			1.4
CH N 1606 X 1606-22	40.5	40.5			1.8

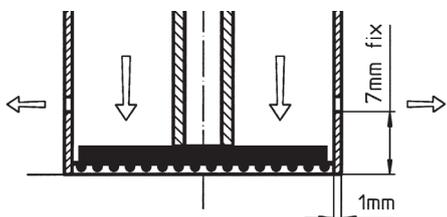
## Y GAS NOZZLES

For PBGA, TBGA, CBGA, CCGA SBGA



### Y Gas Nozzle

- Distance to the next component: min. 1.0 mm
- The vacuum tube is adjustable

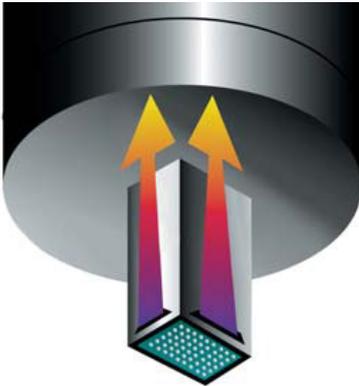


### Examples

Order No.	Component dimension in mm				
	W1	W2	W3	W4	H1
CH N 488 Y 488	12.1	12.1			7
CH N 1235 Y 1235	31.1	31.1			7
CH N 1244 Y 1244	31.3	31.3			7
CH N 1345 Y 1345	33.9	33.9			7
CH N 1393 Y 1393	35.1	35.1			7
CH N 1483 Y 1483	37.4	37.4			7
CH N 1582 Y 1582	39.9	39.9			7
CH N 1590 Y 1590	40.1	40.1			7
CH N 1688 Y 1688	42.6	42.6			7

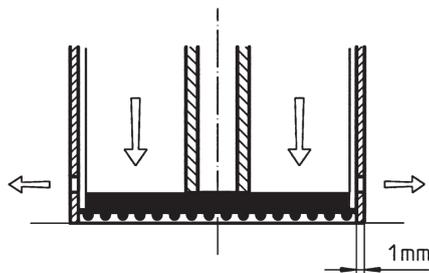
## NS Y GAS NOZZLES

For  $\mu$ BGA, CSP, Flip Chip



### NS Y gas nozzle

- Distance to the next component: min. 1.0 mm
- The vacuum tube is adjustable

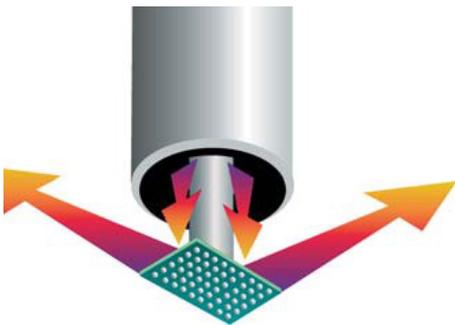


### Examples

Order No.	Component dimensions in mm				
	W1	W2	W3	W4	H1
CH NS 242 Y 320-16	5.9	7.9			1.4
CH NS 362 Y 462-20	8.9	11.5			1.6
CH NS 403 Y 442-20	10.0	11.0			1.6
CH NS 562 Y 881-17	14.0	22.1			1.3
CH NS 595 Y 595-17	14.9	14.9			1.3
CH NS 600 Y 600-16	15.0	15.0			1.2
CH NS 842 Y 842-20	21.1	21.1			1.6
CH NS 995 Y 995-18	25.0	25.0			1.4
CH NS 1389 Y 1389-20	35.0	35.0			1.6
CH NS 1586 Y 1586-20	40.0	40.0			1.6

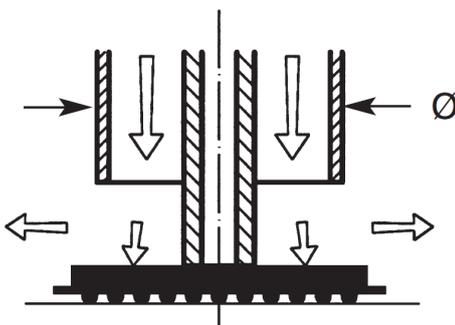
## DVG GAS NOZZLES

For  $\mu$ BGA, CSP, Chip 01005, 0201, 0402, ...



### DVG gas nozzle

- Distance to the next component: 0.0 mm
- The vacuum tube is adjustable



### Examples

Order No.	Ø Nozzle (outside)	Ø Vacuum tube (inside)
	Dimensions in mm	Dimensions in mm
CH N 28 DVG-02	7.0	0.2
CH N 28 DVG-2	7.0	2.0
CH N 36 DVG-04	9.0	0.4
CH N 36 DVG-2	9.0	2.0
CH N 36 DVG-3	9.0	3.0

## NSY GSH GAS NOZZLES

For shieldings

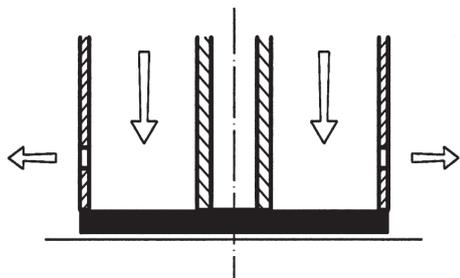


### Examples

Order No.	Component dimensions in mm				
	W1	W2	W3	W4	H1
CH NS 758 Y 1544 GSH	19.0	39.0			
CH NS 972 Y 1241 GSH	24.4	31.3			
CH NS 990 Y 1242 GSH	24.9	31.3			
CH NS 1278 Y 1295 GSH	32.2	32.6			
CH NS 1285 Y 1301 GSH	32.4	32.8			
CH NS 1453 Y 1494 GSH	36.7	37.7			

### NS Y GSH gas nozzle

- Distance to the next component: min. 1.0 mm
- The vacuum tube is adjustable





## contact us

info@zevac.ch



Vogelherdstrasse 4  
4500 Solothurn  
Switzerland

Tel. +41 32 626 20 80  
Fax +41 32 626 20 90

