

## SPECIAL PNEUROP COMPONENTS

Plasma etching,CVD,MOCVD,OMBE are very aggressive processes and requests of cleaner hardwares are increasing.

Till now the used vacuum components have been most commonly made from stainless steel and aluminium.In this case, the components will get dirty by aggressive gas of the process and can hardly be cleaned.

VACUO offers a wide series of pyrex/quartz made Pneurop components,with teflon centering rings and viton o-rings.

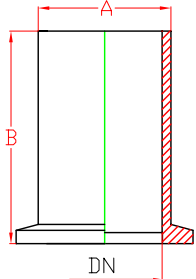
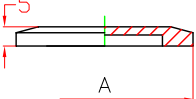
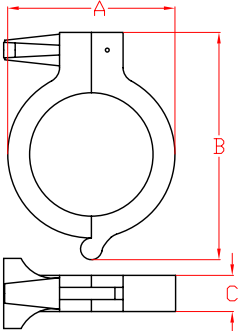
The advantages to build full lines in glass components are :

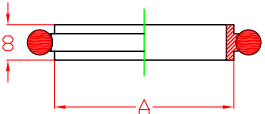
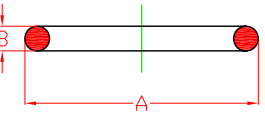
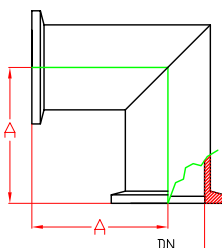
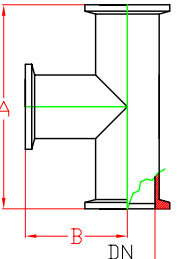
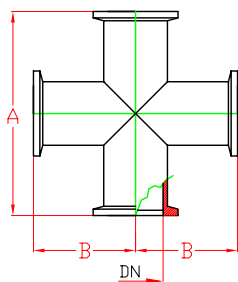
-the possibility to clean thoroughly,and besides, the absence of weld seams where dirt can left behind;

-the use of the blinds as windows;

-thermal and electrical insulation.

The full line of components are bakeable at least 150° also with plastic clamps.

LONG TUBE FLANGE	DIAM NOM	Size			Pyrex		Quartz		304L		
		A	B		CODE	EURO/price	CODE	EURO/price	CODE	EURO/price	
	DN16	20	120			AA164	23.4	AA161	98	AA011	12.5
	DN25	30	120			AA165	28.8	AA162	120	AA012	16
	DN40	46	120			AA166	34.2	AA163	169	AA013	21
	DN50	50	120			AA167	41.4	AA164	187	AA014	33
BLIND FLANGE	DIAM NOM	Size			Pyrex		Quartz		304L		
		A			CODE	EURO/price	CODE	EURO/price	CODE	EURO/price	
	DN16	30			AA172	15.6	AA168	60	AA021	3	
	DN25	40			AA173	20.4	AA169	85.2	AA022	3.5	
	DN40	55			AA174	25.8	AA170	111,6	AA023	5	
	DN50	75			AA175	29.4	AA171	123	AA024	9	
CLAMP	DIAM NOM	Size			Plastic		Alluminium alloy		Composite chain		
		A	B	C	CODE	EURO/price	CODE	EURO/price	CODE	EURO/price	
	DN16	47	62.5	20	AA176	18	AA001	6	AA196	27	
	DN25	57	80	20	AA177	22.2	AA002	8	AA197	29	
	DN40	73	91.5	20	AA178	27	AA003	9	AA198	31	
	DN50	95	123	20	AA179	42	AA004	13	AA199	48	

CENTERINGRING	DIAM NOM	Size		Teflon/Perbunan		Teflon/Viton		304L/Viton	
		A		CODE	EURO/price	CODE	EURO/price	CODE	EURO/price
	DN16	17		AA201	12	AA205	15.6	AA016	2.5
	DN25	26		AA202	15	AA206	19.2	AA017	2.6
	DN40	41		AA203	21	AA207	27.6	AA018	3.6
	DN50	52		AA204	27	AA208	36	AA019	4
SPARE-O-RING	DIAM NOM	Size		Perbunan		Viton			
		A	B	CODE	EURO/price	CODE	EURO/price		
 <p>Set of 10</p>	DN16	29	5.33	AA213	4	AA209	9		
	DN25	38	5.33	AA214	5	AA210	12		
	DN40	51	5.33	AA215	7	AA211	14		
	DN50	64	5.33	AA216	9	AA212	18		
ELBOW 90°	DIAM NOM	Size		Pyrex		Quartz		304L	
		A		CODE	EURO/price	CODE	EURO/price	CODE	EURO/price
	DN16	40		AA184	56.4	AA180	198.6	AA037	35
	DN25	50		AA185	67.2	AA181	267.6	AA038	37
	DN40	65		AA186	81.6	AA182	355.8	AA039	38
	DN50	80		AA187	109.2	AA183	381	AA040	52
TES	DIAM NOM	Size		Pyrex		Quartz		304L	
		A	B	CODE	EURO/price	CODE	EURO/price	CODE	EURO/price
	DN16	80	40	AA192	77.4	AA188	299	AA041	42
	DN25	100	50	AA193	109.2	AA189	404	AA042	51
	DN40	130	65	AA194	133.2	AA190	533	AA043	74
	DN50	140	70	AA195	138.6	AA191	573	AA044	90
4 WAY CROSS	DIAM NOM	Size		Pyrex		Quartz		304L	
		A	B	CODE	EURO/price	CODE	EURO/price	CODE	EURO/price
	DN16	80	40	AA221	119.4	AA217	397.8	AA045	61
	DN25	100	50	AA222	151.2	AA218	537.4	AA046	70
	DN40	130	65	AA223	155.4	AA219	710.4	AA047	100
	DN50	140	70	AA224	234	AA220	762.6	AA048	125

If standard version do not fit your requirements, custom version can be made at moderate cost even in small quantities.