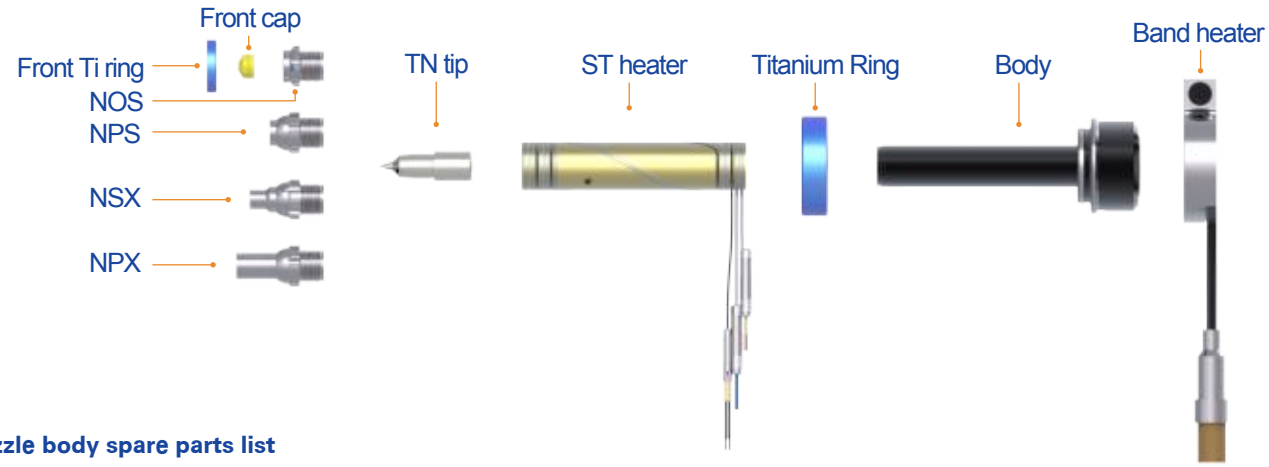
➔ ST SERIES, Stack up nozzle NOS+NPS+NPX+NSX Spare Parts



Nozzle body spare parts list

Size	Nozzle L	Body	ST heater	Front cap	Titanium Ring	Band heater	Front Ti Ring
04	50	A2BD105004	ST850500150	A3FC044724 (optional)	TIM02301708 (optional)	BH121150 (optional)	TIM00900615 (optional)
	60	A2BD106004	ST850600160				
	80	A2BD108004	ST850800230				
	100	A2BD110004	ST851000250				
05	50	A2BD105005	ST120450182	A3FC057939 (optional)	TIM03002308 (optional)	BH127150 (optional)	TIM01400803 (optional)
	60	A2BD106005	ST120550190				
	80	A2BD108005	ST120750220				
	100	A2BD110005	ST120950270				
	120	A2BD112005	ST121150282				
07	60	A2BD206007	ST150510212	A3FC079443 (optional)	TIM03602708 TIM04002708 TIM05002708 (optional)	BH233200 (optional)	TIM01601003 (optional)
	80	A2BD208007	ST150710238				
	100	A2BD210007	ST150910287				
	120	A2BD212007	ST151110299				
	140	A2BD214007	ST151310312				
	160	A2BD216007	ST151510325				

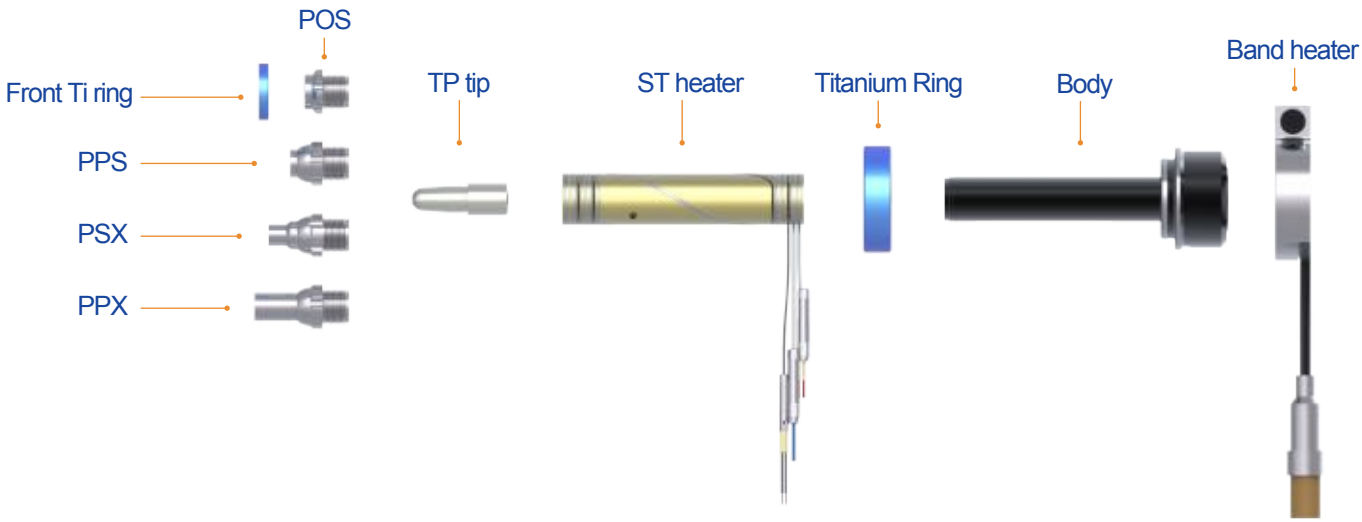
Front Assembly Spare Part

Item code	Size 04		Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip		Nut/Front	Tip
A3NOS0307061-1	A3OS030706	A3TN0306161-1	A3NOS110101-1	A3OS11010	A3TN109281-1	A3NOS212121-1	A3OS21212	A3TN211351-1
A3NOS0307061-2		A3TN0306163-2	A3NOS110103-1		A3TN109283-1	A3NOS212123-1		A3TN211353-1
A3NOS0307063-1		A3TN0306161-1	A3NOS110104-1		A3TN109284-1	A3NOS212124-1		A3TN211354-1
A3NPS0307061-1	A3PS030706	A3TN0306163-1	A3NOS110101-3		A3TN109281-3	A3NOS212121-3		A3TN211351-3
A3NPS0307061-2		A3TN0306161-2	A3NPS108101-1	A3PS10810	A3TN109281-1	A3NPS210121-1	A3PS21012	A3TN211351-1
A3NPS0307063-1		A3TN0306163-1	A3NPS108103-1		A3TN109283-1	A3NPS210123-1		A3TN211353-1
A3NPX0307061-1	A3PX030706	A3TN0306161-1	A3NPS108104-1		A3TN109284-1	A3NPS210124-1		A3TN211354-1
A3NPX0307061-2		A3TN0306163-2	A3NPS108101-3		A3TN109281-3	A3NPS210121-3		A3TN211351-3
A3NPX0307063-1		A3TN0306161-1	A3NPX108101-1	A3PX10810	A3TN109281-1	A3NPX210121-1	A3PX21012	A3TN211351-1
A3NSX0305071-1	A3SX030507	A3TN0306163-1	A3NPX108103-1		A3TN109283-1	A3NPX210123-1		A3TN211353-1
A3NSX0305071-2		A3TN0306161-2	A3NPX108104-1		A3TN109284-1	A3NPX210124-1		A3TN211354-1
A3NSX0305073-1		A3TN0306163-1	A3NPX108101-3		A3TN109281-3	A3NPX210121-3		A3TN211351-3
			A3NSX105101-1	A3SX10510	A3TN109281-1	A3NSX207121-1	A3SX20712	A3TN211351-1
			A3NSX105103-1		A3TN109283-1	A3NSX207123-1		A3TN211353-1
			A3NSX105104-1		A3TN109284-1	A3NSX207124-1		A3TN211354-1
			A3NSX105101-3		A3TN109281-3	A3NSX207121-3		A3TN211351-3

TN tip spare part list

Size	1 exit			3 exits
	copper	HBM-CDC	TZM-SHN	copper
Size 04	A3TN0306161-1 A3TN0306161-2	A3TN0306163-1	*	*
Size 05	A3TN109281-1	A3TN109283-1	A3TN109284-1	A3TN109281-3
Size 07	A3TN211351-1	A3TN211353-1	A3TN211354-1	A3TN211351-3

➔ ST SERIES, Stack up nozzle POS+PPS+PPX+PSX Spare Parts



Nozzle body spare parts list

Size	Nozzle L	Body	ST heater	Titanium Ring	Band heater	Front Ti Ring
04	50	A2BD105004	ST850500150	TIM02301708 (optional)	BH121150 (optional)	TIM00900615 (optional)
	60	A2BD106004	ST850600160			
	80	A2BD108004	ST850800230			
	100	A2BD110004	ST851000250			
05	50	A2BD105005	ST120450182	TIM03002308 (optional)	BH127150 (optional)	TIM01400803 (optional)
	60	A2BD106005	ST120550190			
	80	A2BD108005	ST120750220			
	100	A2BD110005	ST120950270			
	120	A2BD112005	ST121150282			
07	60	A2BD206007	ST150510212	TIM03602708 TIM04002708 TIM05002708 (optional)	BH233200 (optional)	TIM01601003 (optional)
	80	A2BD208007	ST150710238			
	100	A2BD210007	ST150910287			
	120	A2BD212007	ST151110299			
	140	A2BD214007	ST151310312			
	160	A2BD216007	ST151510325			

Front Assembly Spare Parts

Item code	Size 04		Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip		Nut/Front	Tip
A3POS030706	A3OS030706	A3TP030615	A3P0S11010	A3OS11010	A3TP109271	A3POS21212	A3OS21212	A3TP211331
A3PPS030706	A3PS030706		A3PPS10810	A3PS10810		A3PPS21012	A3PS21012	
A3PPX030706	A3PX030706		A3PPX10810	A3PX10810		A3PPX21012	A3PX21012	
A3PSX030507	A3SX030507		A3PSX10510	A3SX10510		A3PSX20712	A3SX20712	

TP tip spare part list

Size	Copper
Size 04	A3TP030615
Size 05	A3TP109271
Size 07	A3TP211331

➔ ST SERIES, Stack up nozzle VOS+VGS+VGX+VSX Spare Parts

Nozzle body spare parts list

Size	Nozzle L	Body	ST heater	Front cap	Titanium Ring	Front Ti Ring
05	50	A2BD105005	ST120450182	A3VGFC057939 (optional)	TIM03002308 (optional)	TIM01400803 (optional)
	60	A2BD106005	ST120550190			
	80	A2BD108005	ST120750220			
	100	A2BD110005	ST120950270			
	120	A2BD112005	ST121150282			
07	60	A2BD206007	ST150510212	A3VGFC079441 (optional)	TIM03602708 TIM04002708 TIM05002708 (optional)	TIM01601003 (optional)
	80	A2BD208007	ST150710238			
	100	A2BD210007	ST150910287			
	120	A2BD212007	ST151110299			
	140	A2BD214007	ST151310312			
	160	A2BD216007	ST151510325			

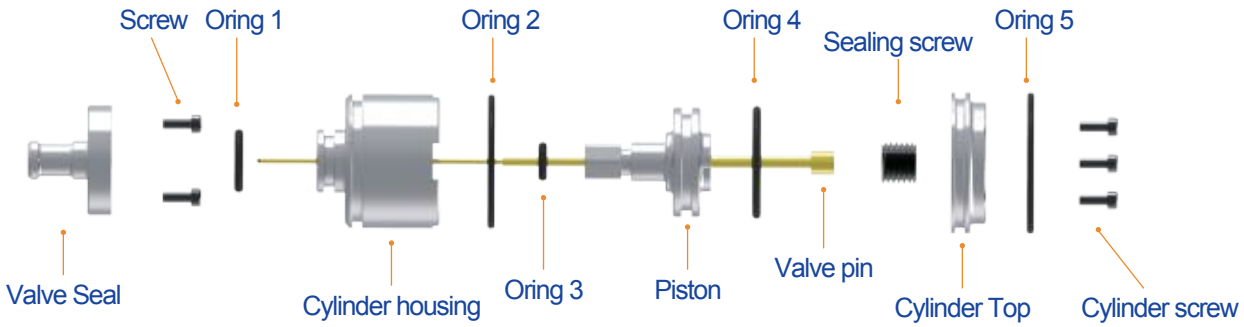
Front Assembly Spare Parts

Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip
A3VOS110101	A3OS11010	A3TV109261	A3VOS212121	A3OS21212	A3TV211331
A3VGS108101	A3GS10810		A3VGS210121	A3GS21012	
A3VGX108101	A3GX10810		A3VGX210121	A3GX21012	
A3VSX105101	A3VX10510		A3VSX207121	A3VX20712	
A3VOS110103	A3OS11010	A3TV109263	A3VOS212123	A3OS21212	A3TV211333
A3VGS108103	A3GS10810		A3VGS210123	A3GS21012	
A3VGX108103	A3GX10810		A3VGX210123	A3GX21012	
A3VSX105103	A3VX10510		A3VSX207123	A3VX20712	

TV tip spare part list

Size	Copper		HBM-CDC
Size 05	A3TV109261	A3TVG109261	A3TV109263
Size 07	A3TV211331	-	A3TV211333

➔ ST SERIES, Stack up nozzle Cylinder Spare Parts



A2ST VG Cylinder spare parts

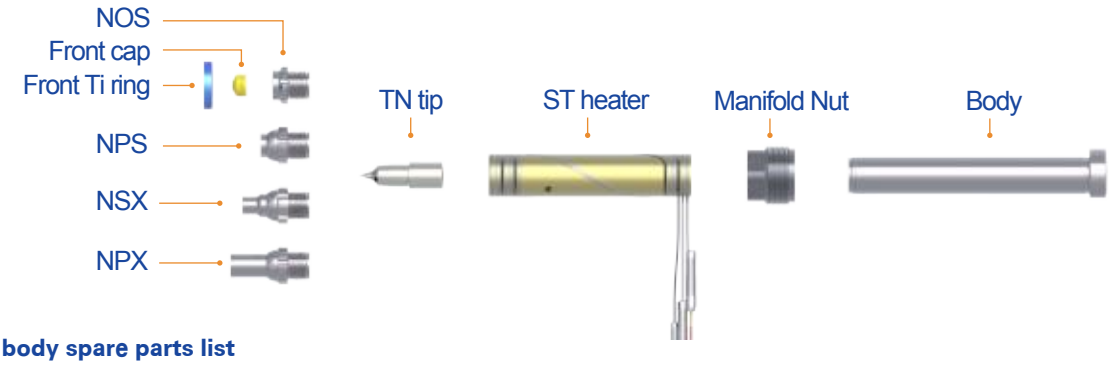
Size	Valve seal	Cylinder housing	Piston	Cylinder top	Valve pins	Screw	Sealing screw	Cylinder screw
A2STVG05 A2STVG07	CPVS063124	CPCY063835	CPPT063136	CPCT064010	PN0415230 PN0415230-G2 PN0625260 PN0625260-G2 PN0625350 PN0625350-G2	M4X8	GS1215-10	M5X12X10

Size	O-Ring 1	O-Ring 2	O-Ring 3	O-Ring 4	O-Ring 5
A2STVG05 A2STVG07	ORIN-00228	ORIN-00234	ORIN-00227	ORIN-00233	ORIN-00235

A2ST VG Cylinder bore dimension

Size	D0	D4	D5	D9	D10	D11	E1	E2	E3	E4
ACCP15230 ACCP25260	42	6	12	40	38	18	24	23	15	18

➔ ST SERIES, All-In-One Nozzle NOS+NPS+NPX+NSX Spare Parts



Nozzle body spare parts list

Size	Nozzle L	Body	ST heater	Manifold Nut	Front cap	Front Ti Ring
04	64	A3BD106404	ST850500150	A3KG1413	A3FC044724 (optional)	TIM00900615 (optional)
	74	A3BD107404	ST850600160			
	94	A3BD109404	ST850800230			
	114	A3BD111404	ST851000250			
05	64	A3BD106405	ST120450182	A3KG2016	A3FC057939 (optional)	TIM01400803 (optional)
	74	A3BD107405	ST120550190			
	94	A3BD109405	ST120750220			
	114	A3BD111405	ST120950270			
	134	A3BD113405	ST121150282			
07	74	A3BD207407	ST150510212	A3KG2416	A3FC079443 (optional)	TIM01601003 (optional)
	94	A3BD209407	ST150710238			
	114	A3BD211407	ST150910287			
	134	A3BD213407	ST151110299			
	154	A3BD215407	ST151310312			
	174	A3BD217407	ST151510325			

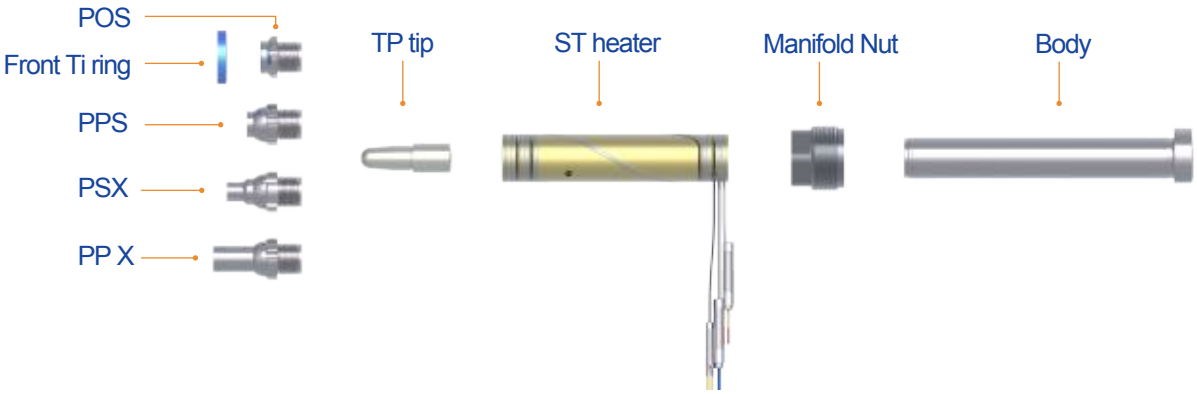
Front Assembly Spare Part

Item code	Size 04		Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip		Nut/Front	Tip
A3NOS0307061-1	A3OS030706	A3TN0306161-1	A3NOS110101-1	A3OS11010	A3TN109281-1	A3NOS212121-1	A3OS21212	A3TN211351-1
A3NOS0307061-2		A3TN0306161-2	A3NOS110103-1		A3TN109283-1	A3NOS212123-1		A3TN211353-1
A3NOS0307063-1		A3TN0306163-1	A3NOS110104-1		A3TN109284-1	A3NOS212124-1		A3TN211354-1
A3NPS0307061-1	A3PS030706	A3TN0306161-1	A3NOS110101-3		A3TN109281-3	A3NOS212121-3		A3TN211351-3
A3NPS0307061-2		A3TN0306161-2	A3NPS108101-1	A3PS10810	A3TN109281-1	A3NPS210121-1	A3PS21012	A3TN211351-1
A3NPS0307063-1		A3TN0306163-1	A3NPS108103-1		A3TN109283-1	A3NPS210123-1		A3TN211353-1
A3NPX0307061-1	A3PX030706	A3TN0306161-1	A3NPS108104-1		A3TN109284-1	A3NPS210124-1		A3TN211354-1
A3NPX0307061-2		A3TN0306161-2	A3NPS108101-3		A3TN109281-3	A3NPS210121-3		A3TN211351-3
A3NPX0307063-1		A3TN0306163-1	A3NPX108101-1	A3PX10810	A3TN109281-1	A3NPX210121-1	A3PX21012	A3TN211351-1
A3NSX0305071-1	A3SX030507	A3TN0306161-1	A3NPX108103-1		A3TN109283-1	A3NPX210123-1		A3TN211353-1
A3NSX0305071-2		A3TN0306161-2	A3NPX108104-1		A3TN109284-1	A3NPX210124-1		A3TN211354-1
A3NSX0305073-1		A3TN0306163-1	A3NPX108101-3		A3TN109281-3	A3NPX210121-3		A3TN211351-3
			A3NSX105101-1	A3SX10510	A3TN109281-1	A3NSX207121-1	A3SX20712	A3TN211351-1
			A3NSX105103-1		A3TN109283-1	A3NSX207123-1		A3TN211353-1
			A3NSX105104-1		A3TN109284-1	A3NSX207124-1		A3TN211354-1
			A3NSX105101-3		A3TN109281-3	A3NSX207121-3		A3TN211351-3

TN tip spare part list

Size	1 exit			3 exits
	copper	HBM-CDC	TZM-SHN	copper
Size 04	A3TN0306161-1	A3TN0306163-1	*	*
	A3TN0306161-2			
Size 05	A3TN109281-1	A3TN109283-1	A3TN109284-1	A3TN109281-3
Size 07	A3TN211351-1	A3TN211353-1	A3TN211354-1	A3TN211351-3

➔ ST SERIES, All-In-One Nozzle POS+PPS+PPX+PSX Spare Parts



Nozzle body spare parts list

Size	Nozzle L	Body	ST heater	Manifold Nut	Front Ti Ring
04	64	A3BD106404	ST850500150	A3KG1413	TIM00900615 (optional)
	74	A3BD107404	ST850600160		
	94	A3BD109404	ST850800230		
	114	A3BD111404	ST851000250		
05	64	A3BD106405	ST120450182	A3KG2016	TIM01400803 (optional)
	74	A3BD107405	ST120550190		
	94	A3BD109405	ST120750220		
	114	A3BD111405	ST120950270		
	134	A3BD113405	ST121150282		
07	74	A3BD207407	ST150510212	A3KG2416	TIM01601003 (optional)
	94	A3BD209407	ST150710238		
	114	A3BD211407	ST150910287		
	134	A3BD213407	ST151110299		
	154	A3BD215407	ST151310312		
	174	A3BD217407	ST151510325		

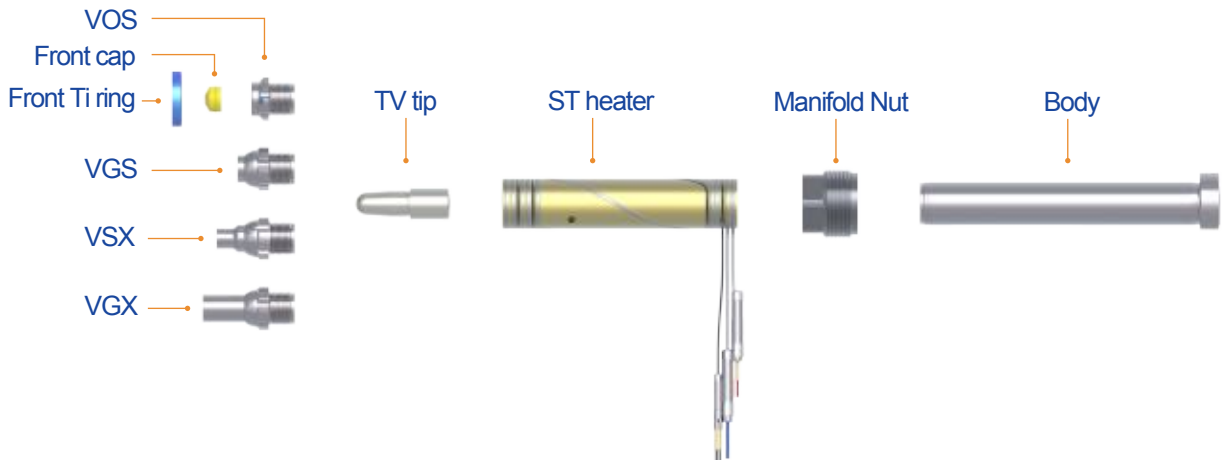
Front Assembly Spare Parts

Item code	Size 04		Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip		Nut/Front	Tip
A3POS030706	A3OS030706	A3TP030615	A3P0S11010	A3OS11010	A3TP109271	A3POS21212	A3OS21212	A3TP211331
A3PPS030706	A3PS030706		A3PPS10810	A3PS10810		A3PPS21012	A3PS21012	
A3PPX030706	A3PX030706		A3PPX10810	A3PX10810		A3PPX21012	A3PX21012	
A3PSX030507	A3SX030507		A3PSX10510	A3SX10510		A3PSX20712	A3SX20712	

TP tip spare part list

Size	Copper
Size 04	A3TP030615
Size 05	A3TP109271
Size 07	A3TP211331

➔ ST SERIES, All-In-One Nozzle VOS+VGS+VGX+VSX Spare Parts



Nozzle body spare parts list

Size	Nozzle LA	Body	ST heater	Manifold Nut	Front cap	Front Ti Ring
05	64	A3BD106405	ST120450182	A3KG2016	A3VGFC057939 (optional)	TIM01400803 (optional)
	74	A3BD107405	ST120550190			
	94	A3BD109405	ST120750220			
	114	A3BD111405	ST120950270			
	134	A3BD113405	ST121150282			
07	74	A3BD207407	ST150510212	A3KG2416	A3VGFC079441 (optional)	TIM01601003 (optional)
	94	A3BD209407	ST150710238			
	114	A3BD211407	ST150910287			
	134	A3BD213407	ST151110299			
	154	A3BD215407	ST151310312			
	174	A3BD217407	ST151510325			

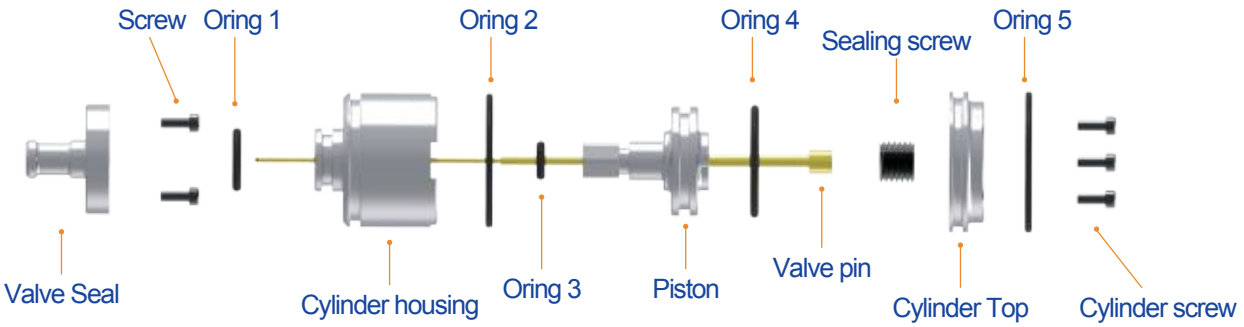
Front Assembly Spare Parts

Item code	Size 05		Item code	Size 07	
	Nut/Front	Tip		Nut/Front	Tip
A3VOS110101	A3OS11010	A3TV109261	A3VOS212121	A3OS21212	A3TV211331
A3VGS108101	A3GS10810		A3VGS210121	A3GS21012	
A3VGX108101	A3GX10810		A3VGX210121	A3GX21012	
A3VSX105101	A3VX10510		A3VSX207121	A3VX20712	
A3VOS110103	A3OS11010	A3TV109263	A3VOS212123	A3OS21212	A3TV211333
A3VGS108103	A3GS10810		A3VGS210123	A3GS21012	
A3VGX108103	A3GX10810		A3VGX210123	A3GX21012	
A3VSX105103	A3VX10510		A3VSX207123	A3VX20712	

TV tip spare part list

Size	Copper		HBM-CDC
Size 05	A3TV109261	A3TVG109261	A3TV109263
Size 07	A3TV211331	-	A3TV211333

➔ ST SERIES, All-In-One Nozzle Cylinder Spare Parts



A3ST VG Cylinder spare parts

Size	Valve seal	Cylinder housing	Piston	Cylinder top	Valve pins	Screw	Sealing screw	Cylinder screw
A3STVG05 A3STVG07	CPVS063124	CPCY063835	CPPT063136	CPCT064010	PN0415230 PN0415230-G2 PN0625260 PN0625260-G2 PN0625350 PN0625350-G2	M4X8	GS1215-10	M5X12X10

Size	O-Ring 1	O-Ring 2	O-Ring 3	O-Ring 4	O-Ring 5
A3STVG05 A3STVG07	ORIN-00228	ORIN-00234	ORIN-00227	ORIN-00233	ORIN-00235

A3ST VG Cylinder bore dimension

(mm)

Size	D0	D4	D5	D9	D10	D11	E1	E2	E3	E4
ACCP15230 ACCP25260	42	6	12	40	38	18	24	23	15	18