

# LA PUMP

## Simplification of Geometry

**Release 10**

05/10/2010

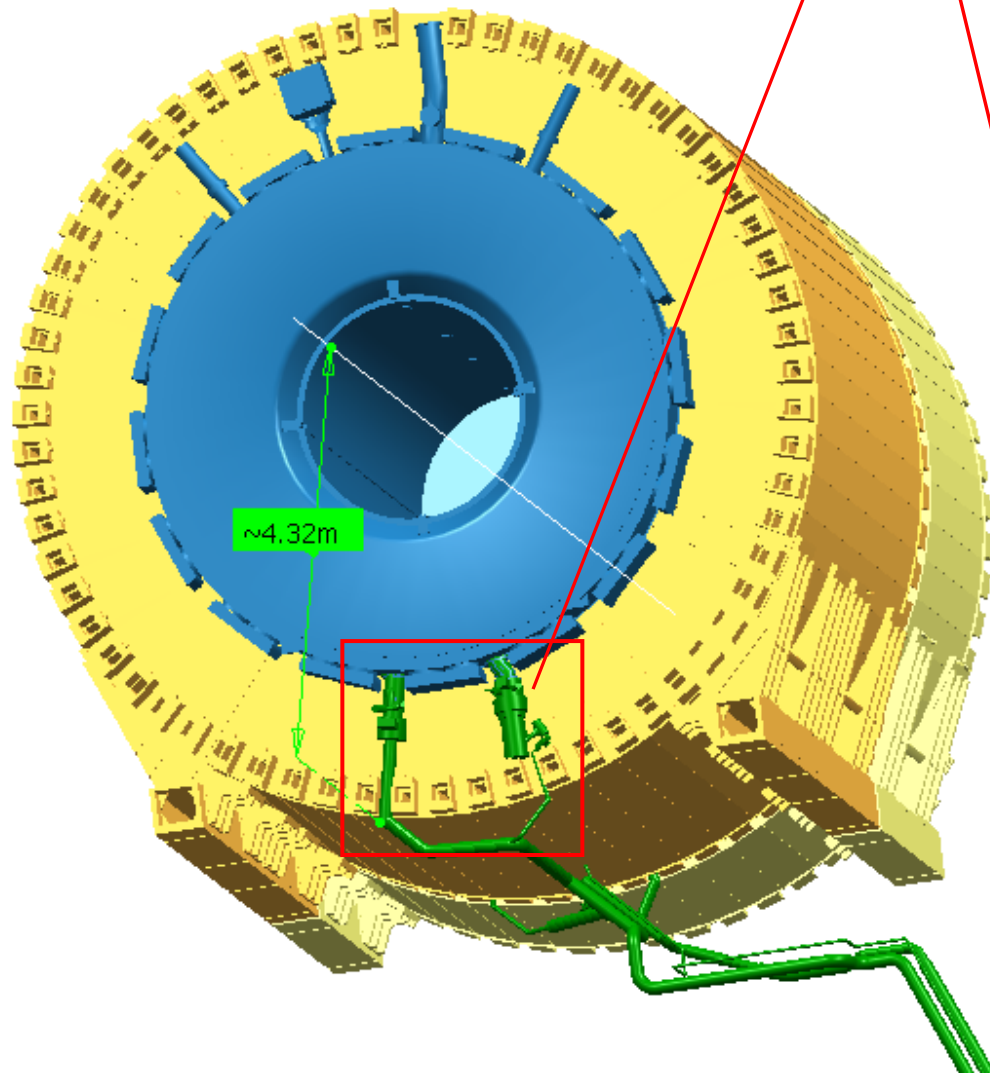
*Alexander Sharmazanashvili*

*Archil Surmava*

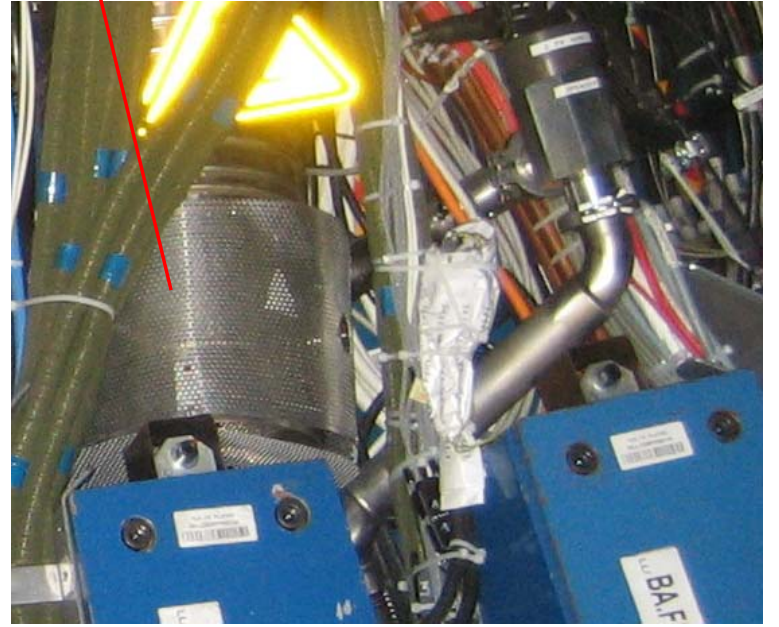
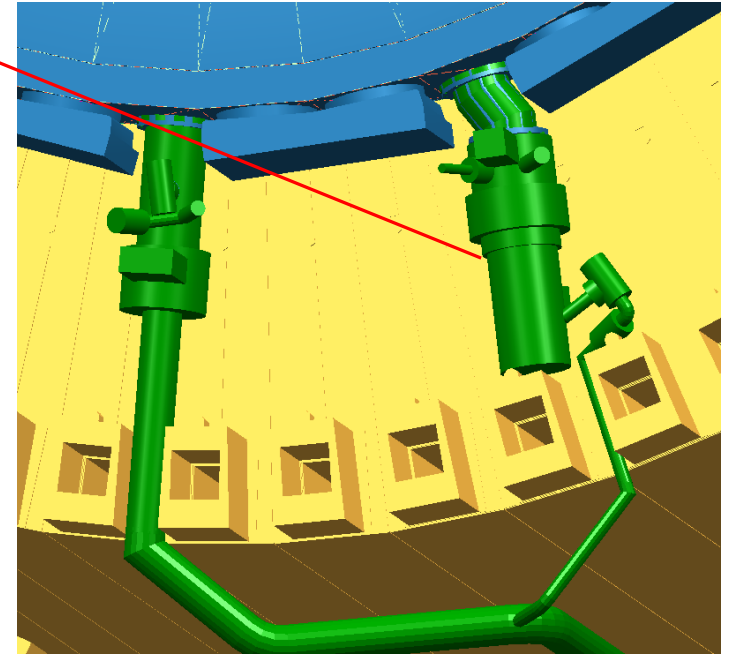
*Besik Kekelia*

*GCCEC [www.cadcam.ge](http://www.cadcam.ge)*

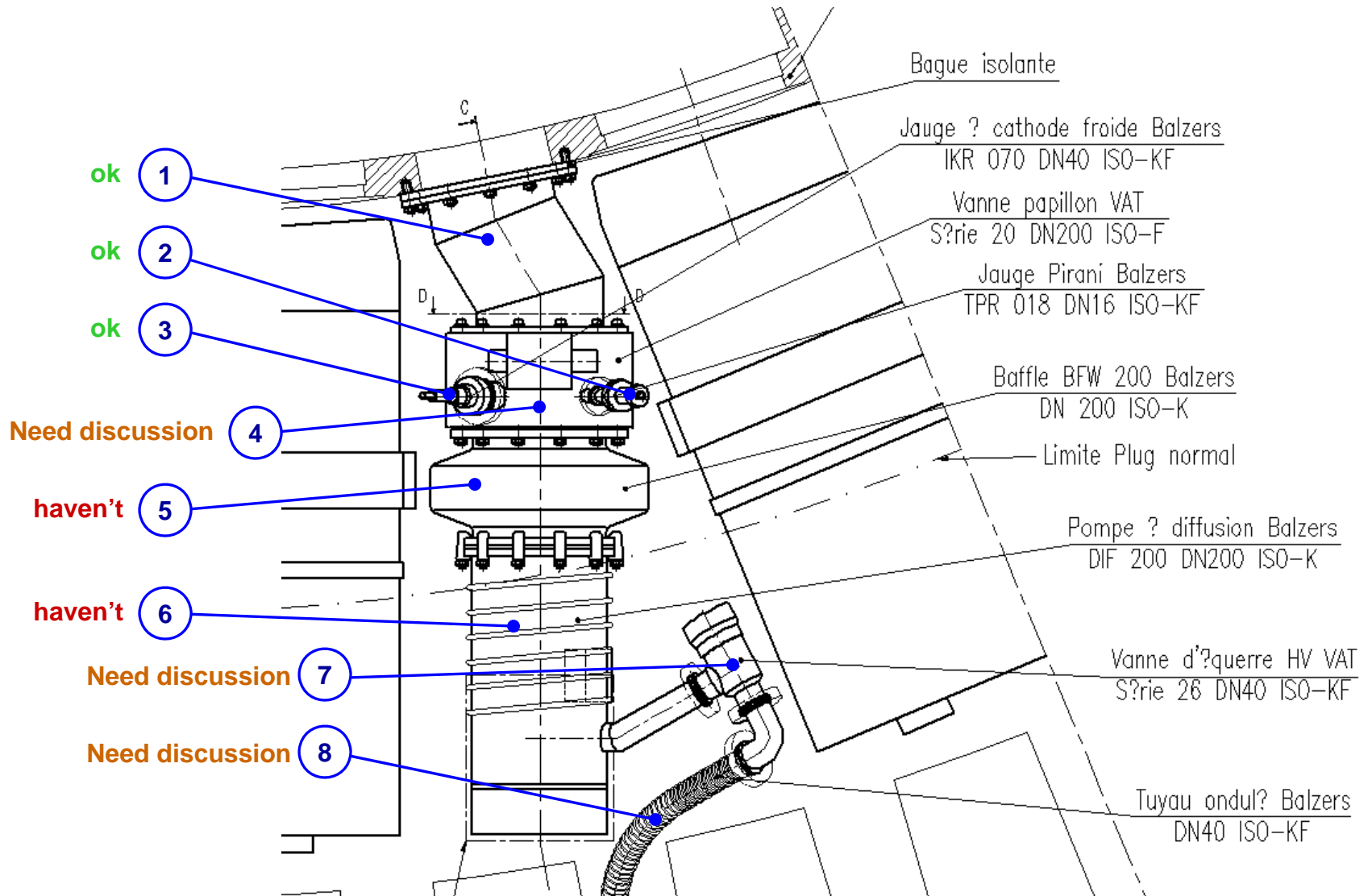
LA PUMP



~4.32m



# Development Status



## 4 – Need discussion



DN		Ordering numbers		
mm	inch	aluminum	Series 204 with extended body	
			ISO-F	CF-F
63	2 ½	20436-PA14	20436-PE14	20436-CE14
80	3	20438-PA14	20438-PE14	
100	4	20440-PA14	20440-PE14	20440-CE14
160	6	20444-PA14	20444-PE14	20444-CE14
200	8	20446-PA14	20446-PE14	20446-CE14

DN		Ordering numbers		
mm	inch	aluminum	Series 203 with standard body	
			ISO-F	CF-F
63	2 ½	20336-PA14	20336-PE14	20336-CE14
80	3	20338-PA14	20338-PE14	
100	4	20340-PA14	20340-PE14	20340-CE14
160	6	20344-PA14	20344-PE14	20344-CE14
200	8	20346-PA14	20346-PE14	20346-CE14

### Technical data

<sup>1)</sup> depending on pneumatic installation

	DN (nominal I.D.)		molecular flow conductance	compressed air pressure min. - max. overpressure		volume of air cylinder		closing or opening time <sup>1)</sup>	weight			
	mm	inch		bar	psi	l	ft <sup>3</sup>		aluminum body		stainless steel body	
									kg	lbs	kg	lbs
Series 203 with standard body	63	2 ½	550	4 - 7	60 - 100	0.04	0.0014	0.4	2.3	5.1	4.6	10.1
	80	3	700	4 - 7	60 - 100	0.08	0.003	0.8	3.8	8.4	7.5	16.5
	100	4	1400	4 - 7	60 - 100	0.08	0.003	0.8	4	8.8	8	17.6
	160	6	4000	4 - 7	60 - 100	0.13	0.0045	1.4	7.4	16.3	15.6	34.4
	200	8	7500	4 - 7	60 - 100	0.3	0.01	1.8	16.1	35.5	34.2	75.4
Series 204 with extended body	63	2 ½	450	4 - 7	60 - 100	0.04	0.0014	0.4	2.5	5.5	5.3	11.7
	80	3	600	4 - 7	60 - 100	0.08	0.003	0.8	4.2	9.3	8.5	18.7
	100	4	1050	4 - 7	60 - 100	0.08	0.003	0.8	4.7	10.4	10.1	22.3
	160	6	2550	4 - 7	60 - 100	0.13	0.0045	1.4	9.7	21.4	22.3	49.2
	200	8	4700	4 - 7	60 - 100	0.3	0.01	1.8	21.3	47	20.8	45.9

More information see catalog  
“VAT Series20.pdf”

# 7 – Need discussion

## HV angle valve

## VAT Series 26 HV angle valve

## VAT Series 26

### Electromagnetic actuator

Large conductance  
Differential pressure resistant



Standard angle valve  
with bellows feedthrough

For large gas flows we recommend  
Series 24

### Body material

aluminum or stainless steel



Actuator  
single acting with closing spring (NC)  
with position indicator  
with control electronics  
Voltage: 100 - 120 V / 50 - 60 Hz  
200 - 240 V / 50 - 60 Hz

ISO-KF	DN		Ordering numbers			
	mm	inch	angle valve		inline valve	
			aluminum	stainless steel	aluminum	stainless steel
	10	3/8	-	26420-KE01	-	-
	16	1/2	26424-KA01	26424-KE01	26524-KA01	26524-KE01
	25	1	26428-KA01	26428-KE01	26528-KA01	26528-KE01
	40	1 1/2	26432-KA01	26432-KE01	26532-KA01	26532-KE01

### Manual actuator

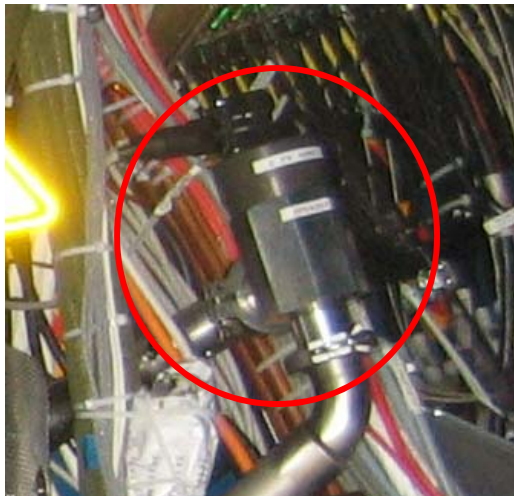
removable handwheel

ISO-K	DN		Ordering numbers			
	mm	inch	Angle valve		Inline valve	
			aluminum	stainless steel	aluminum	stainless steel
ISO-KF	10	3/8		26420-KE01		
	16	1/2	26424-KA01	26424-KE01	26524-KA01	26524-KE01
	25	1	26428-KA01	26428-KE01	26528-KA01	26528-KE01
	40	1 1/2	26432-KA01	26432-KE01	26532-KA01	26532-KE01
	50	2	26434-KA01	26434-KE01	26534-KA01	26534-KE01
ISO-K	03	2 1/2	26436-QA01	26436-QE01		
	80	3	26438-QA01	26438-QE01	26538-QA01	26538-QE01
	100	4	26340-QA01	26340-QE01		26540-QE01
	160	6	26344-QA01	26344-QE01		

### Pneumatic actuator

single acting with closing spring (NC)  
without position indicator  
without solenoid

ISO-K	DN		Ordering numbers			
	mm	inch	Angle valve		Inline valve	
			aluminum	stainless steel	aluminum	stainless steel
ISO-KF	10	3/8		26420-KE11		
	16	1/2	26424-KA11	26424-KE11	26524-KA11	26524-KE11
	25	1	26428-KA11	26428-KE11	26528-KA11	26528-KE11
	40	1 1/2	26432-KA11	26432-KE11	26532-KA11	26532-KE11
	50	2	26434-KA11	26434-KE11	26534-KA11	26534-KE11
ISO-K	03	2 1/2	26436-QA11	26436-QE11		
	80	3	26438-QA11	26438-QE11	26538-QA11	26538-QE11
	100	4	26340-QA11	26340-QE11		26540-QE11
	160	6	26344-QA11	26344-QE11		

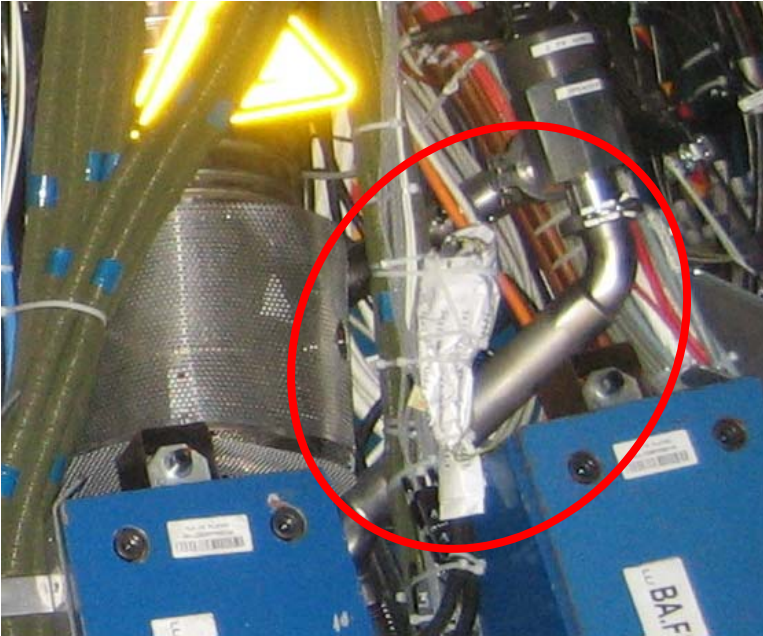


More information see catalog "VAT Series26.pdf"

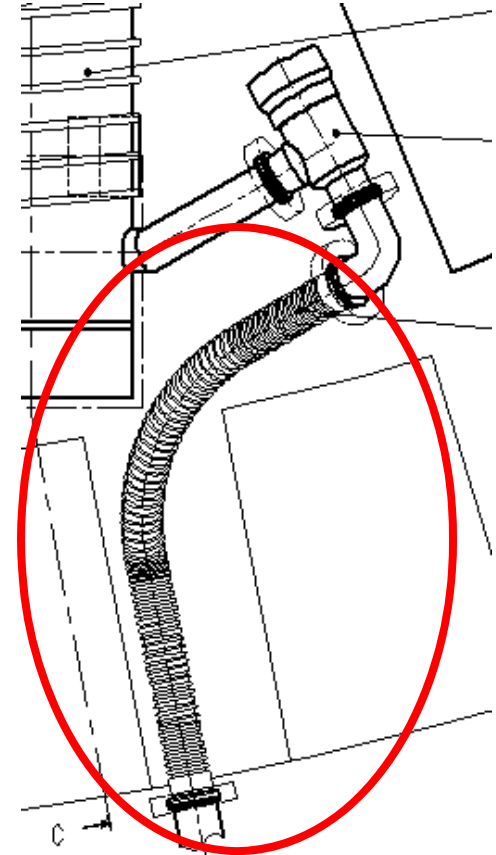


## 7 – Need discussion

Real photo



CDD Drawing



More information see catalog “[dn40 iso-kf.pdf](#)” (12-18 pg.)