

[illegible]

GENERAL	1	Tag Number		2420-RO-60102							
	2	P&ID Number		Line No.		2420-PID-0105		SHCS-24210503-25-M1H1-H40			
	3	Service		Backflow to 2420-T604							
SERVICE CONDITIONS	4	Process Fluid / State		SHCS		/		L			
				Max.		Norm.		Min.		Units	
	5	Flow Rate				4400				kg/h	
	6	Pressure				0.17				MPaG	
	7	Temperature		80		60				°C	
	8	Density				1100				kg/m3	
	9	Specific Gravity								-	
	10	Viscosity				1.25				mPa.s	
	11	Molecular Weight				-				-	
	12	Specific Heats CP / CV				-				-	
	13	Copressibility Factor Z				-				-	
	14	Velocity								m/s	
	15	Pressure Loss Limit				80				kpa	
	16	Design Press. Max / Min		0.6		/				kPaG	
	17	Design Temp. Max / Min		100		/				°C	
	18	Base Press. Base Temp.		101.3		kPa		20		°C	
	19	Toxic Corrosive Erosive Dirty		轻度危害, 腐蚀							
	LINE	20	Class		M1H1						
		21	Size / Schedule / Line ID		DN25		/	S-40		/	inch
BASIS	22	Type		Concentric Square Orifice Plate							
	23	Pressure Drop				80				KPa	
	24	Calc. Standard		HG / T 20570.15							
	25	Design Standard		HG / T 20570.15							
	26										
ORIFICE PLATE	27	Size and Flange Rating		HG / T 20592 DN25 PN16 RF							
	28	Bore Diameter (d)		(*) mm							
	29	Diameter Ratio (beta=d/D)		(*)							
	30	Material		316L SS + PTFE							
	31	Thickness		3 mm							
	32	Paddle Length / Thickness / Round Corner		MFR. STD	mm	MFR. STD	mm	Yes, R3			
	33										
MULTISTAGE ORIFICE	34										
	35	Type		N/A							
	36	Number of stage		N/A							
	37	End Connection		N/A							
	38	Size, Rating and Facing		N/A							
	39	Flange Facing Finish		N/A							
	40	Plate Material		N/A							
	41	Body Material		N/A							
	42	Flange Material		N/A							
	43	Bore Diameter (d)		N/A mm							
OPTIONS	44	Thickness		N/A mm							
	45	Total Length		N/A mm							
PURCHASE	46										
	47										
	48										
	49	Manufacturer		(*)							
	50	Model No.		(*)							
	51	P.O.		-							
	52	MFR Serial Number		-							
Notes: 1) 提供材质证明 2) 限流型 3)											
 PROTECTING WHAT'S VITAL™											
			1	施工图	May/09/25	邱驰逸	王哲明	蒋磊			
			Rev 版次	Description 说明	Date 日期	By 编制	Checked 校核	Approved 审核			
 上海科元燃气工程设计有限公司 SHANGHAI KEYUAN CHEMICAL & GAS ENGINEERING DESIGN CO.,LTD			Instrument Datasheet - Restriction Orifice				CLIENT DOC No.客户文件号:				
			仪表数据表-限流孔板				DOC No. 文件号: ED-2200-INC-DAT-INST-0406				

GENERAL	1	Tag Number		2420-RO-60112						
	2	P&ID Number	Line No.	2420-PID-0105			SHCS-24210513-25-M1H1-H40			
	3	Service		Backflow to 2420-T605						
SERVICE CONDITIONS	4	Process Fluid / State		SHCS			/ L			
				Max.	Norm.	Min.	Units			
	5	Flow Rate			4400		kg/h			
	6	Pressure			0.17		MPaG			
	7	Temperature		80	60		°C			
	8	Density			1100		kg/m3			
	9	Specific Gravity					-			
	10	Viscosity			1.25		mPa.s			
	11	Molecular Weight			-		-			
	12	Specific Heats CP / CV			-		-			
	13	Copressibility Factor Z			-		-			
	14	Velocity					m/s			
	15	Pressure Loss Limit			80		kpa			
	16	Design Press.	Max / Min	0.6	/			kPaG		
	17	Design Temp.	Max / Min	100	/			°C		
	18	Base Press.	Base Temp.	101.3	kPa		20	°C		
	19	Toxic Corrosive Erosive Dirty		轻度危害, 腐蚀						
	LINE	20	Class		M1H1					
		21	Size / Schedule / Line ID		DN25	/ S-40		/ inch		
BASIS	22	Type		Concentric Square Orifice Plate						
	23	Pressure Drop		80				KPa		
	24	Calc. Standard		HG / T 20570.15						
	25	Design Standard		HG / T 20570.15						
	26									
ORIFICE PLATE	27	Size and Flange Rating		HG / T 20592 DN25 PN16 RF						
	28	Bore Diameter (d)		(*)				mm		
	29	Diameter Ratio (beta=d/D)		(*)						
	30	Material		316L SS + PTFE						
	31	Thickness		3				mm		
	32	Paddle Length / Thickness / Round Corner		MFR. STD	mm	MFR. STD	mm	Yes, R3		
	33									
MULTISTAGE ORIFICE	34									
	35	Type		N/A						
	36	Number of stage		N/A						
	37	End Connection		N/A						
	38	Size, Rating and Facing		N/A						
	39	Flange Facing Finish		N/A						
	40	Plate Material		N/A						
	41	Body Material		N/A						
	42	Flange Material		N/A						
	43	Bore Diameter (d)		N/A				mm		
	44	Thickness		N/A				mm		
OPTIONS	45	Total Length		N/A				mm		
	46									
	47									
	48									
PURCHASE	49	Manufacturer		(*)						
	50	Model No.		(*)						
	51	P.O.		-						
	52	MFR Serial Number		-						
Notes: 1) 提供材质证明 2) 限流型 3)										
			1	施工图	May/09/'25	邱驰逸	王哲明	蒋磊		
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