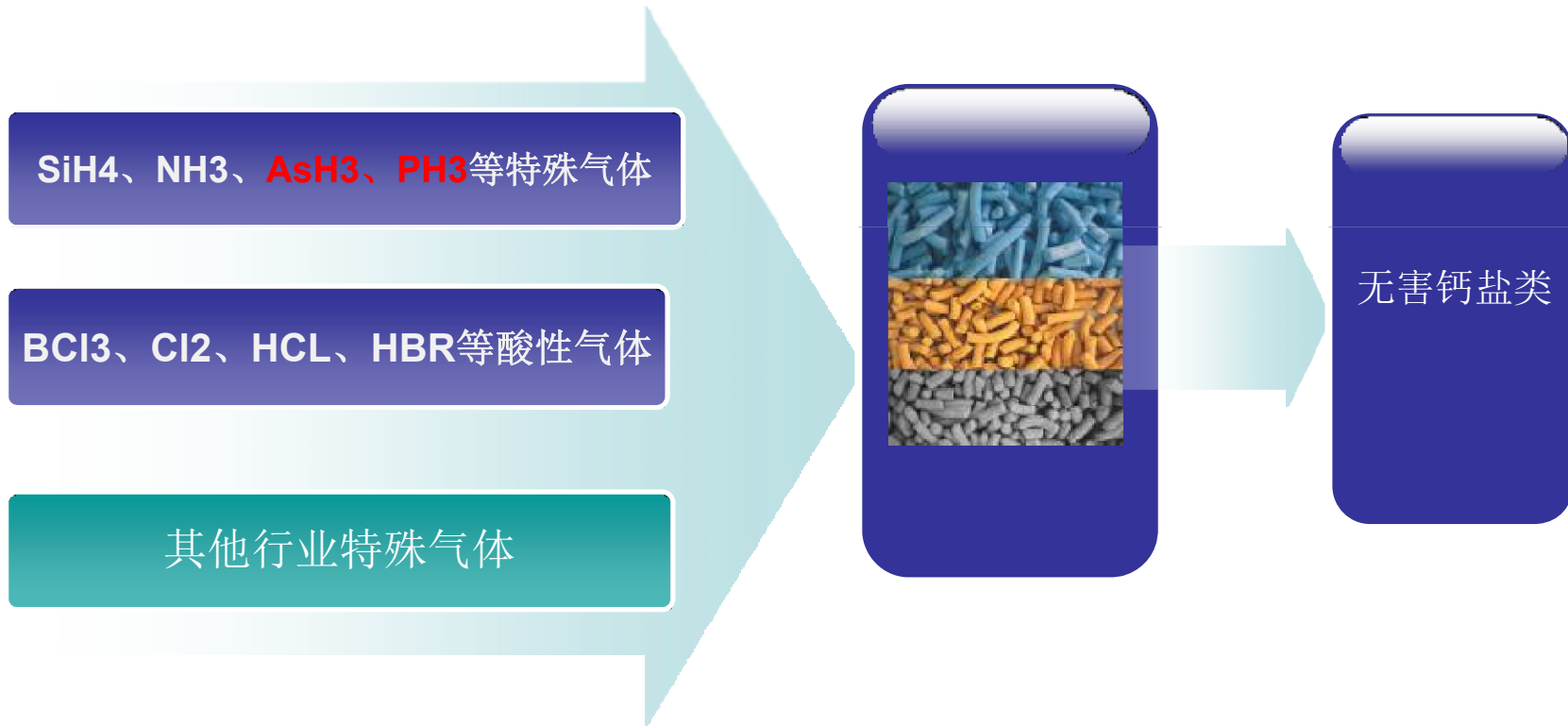


干式废气处理设备介绍

型号：NSCD80/100

干式净化设备的应用原理

此产品利用酸碱中和反应、复分解反应等基本原理，与各种废气产生化学反应，生成稳定的无毒无害的化合物或者复合物，可直接用于修路、垃圾填埋等，不会产生二次污染。



吸附剂的处理效率

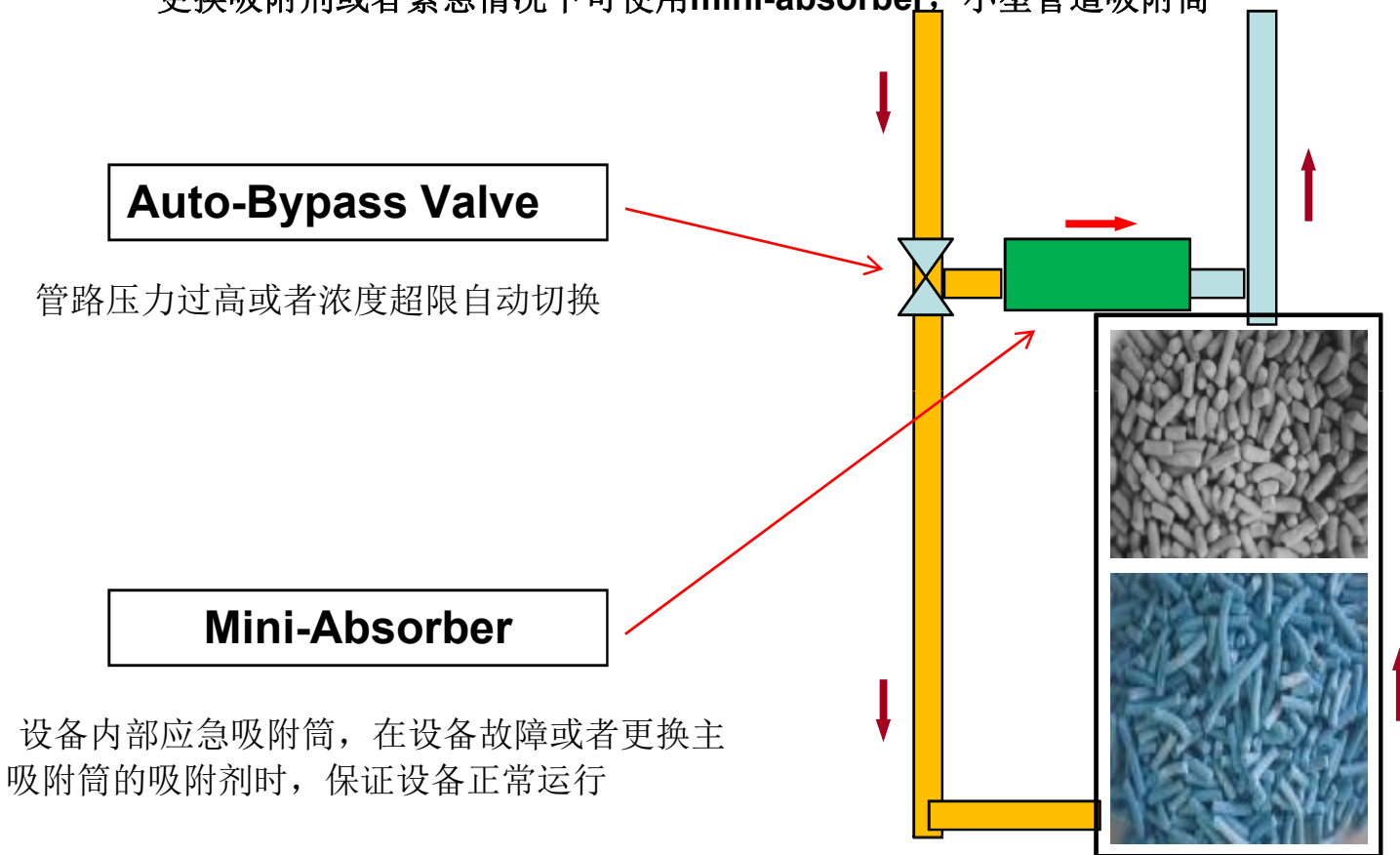
工艺	可处理气体	吸附效率	出口浓度	处理效率	相关图片
ETCH (刻蚀)	Cl ₂	40	1	99%	
	BCl ₃	20	1	99%	
	HBR	60	5	99%	
	HCL	90	5	99%	
	HF	80	1	99%	
	F ₂	40	1	99%	
Diffusion (扩散)	SiH ₄	20	5	99%	
	SiCl ₂ H ₂	35	5	99%	
	B ₂ H ₆	50	0.1	95%	
	GeH ₄	20	0.2	99%	
	NH ₃	60	25	95%	
Ion Implant (离子注入)	PH ₃	75	0.3	99%	
	AsH ₃	70	50ppb	99%	
	B ₂ H ₆	50	0.1	95%	
	BF ₃	110	1	95%	

压力保护及应急吸附筒（可选配置）

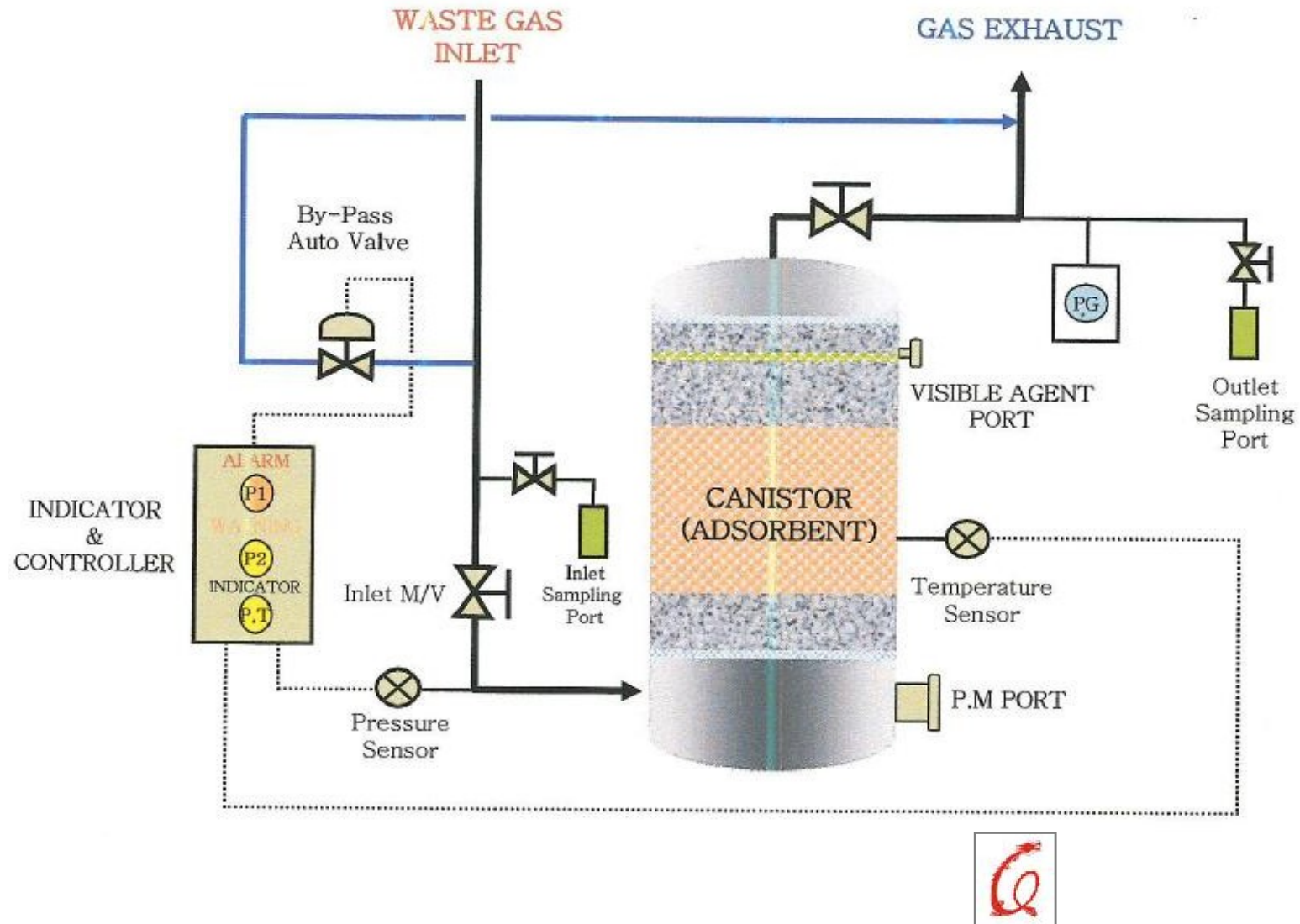


压力保护及 应急吸附筒（可选配置）

更换吸附剂或者紧急情况下可使用mini-absorber, 小型管道吸附筒



NSCD干式净化设备工作原理



NSCD80/100设备参数

Principle	Dry Type
Capacity	80L/100L
Dimension	800×600×1800 mm
Application	Implant Etch CVD etc
Weight	200 Kg
Backup(option)	Yes (Auto bypass + Mini-tank)
Interface(option)	RS485/RS232
Gas Sensor(option)	Riken-keiki /Honeywell



NSCD Utility Specification

Utility	Description	Average Spec.	Remark
Power	A/C 220V 1 Phase max 300W	200W	
N2	Max 80 slm 0.4~0.7MPar	40slm	3/8 Union
Air(N2)	0.4~0.7MPar	0.4Mpar	3/8 Union
Inlet Flow	MAX 200 slm	120 slm	
Gas EXH.	-50mmH2O ~-100mmH2O	0.4m3/min	NW40Flange
Cabinet EXH.	-50mmH2O ~-100mmH2O	3 m3/min	NW100 Flange

NSCD System Interlock

NO	Alarm	Condition	interlock
1	Inlet Pressure High	Inlet Pressure > 500mbar	Auto bypass
2	Outlet concentration High	出口浓度>50ppm-0.5ppm	Auto Bypass
3	Can't switch to normal position	气动切换阀故障	STOP
4	Can't switch to bypass position	气动切换阀故障	STOP
5	Tank on Position	Position Sensor ok? (限位开关)	Auto bypass



备件及耗材

NO	Parts Number	Name	数量	Lifetime
1	NST01-02	AsH3, PH3 吸附剂	80L	预计1年以上
2	NST02-15	CDA valve O-ring	2	2year
3	Connector O-ring	Connector O-ring	6	2year

System Layout

