

# BNT105

## 1-1/2 Inch Control Valve



### Features

- Noryl valve body, long service life, anti-corrosion, low cost.
- Classic piston, seal and spacer design, more reliable and less failure.
- High flow rate for commercial softening and filtration application.
- Valve come with standby cycles and NHWBP option.
- Up to 9 cycles are available to be set for proper application.
- Valve type is optional: DF softener, UF softener and filter valve are available for your choice.
- Along with single & multi tank normal application, system interlock function was added for regeneration logic of multi tank system, save your initial investment.
- More history information & diagnostics to view, knowing better of your system.
- Up to 5 DIR for single tank system: Days, Calendar, Meter Immediate, Meter Delay, Meter Override.
- Two auxiliary outputs/relays and one input/relay can be programmed on PCB.
- Precision brining against “depleted” portion of resin, volume of water refilled prior to the scheduled regeneration will be proportional to the amount of capacity left in the system, save more water and salt.
- Outlet fitting come with integrated meter, other standard meter is also acceptable.

Specification	
Valve Materials	Noryl
Inlet/Outlet	1.5"/2.0" with BSP/NPT thread
Mounting Base	4"-8UN
Distributor Pilot	OD1.9"& 50mm
Drain Line	1.5"/2.0" with BSP/NPT thread
Brine Line	1/2" Quick Connect Elbow
Meter	1.5"/2.0" Optional
Meter Accuracy	±5%
Meter Capacity Range	0~999999.9 M <sup>3</sup> (0~999999999 Gal)
System Application	Single /Series Interlock/Multi tank MTS
Valve Type	DF and UF softener, filter
Adjustable Cycles	0-99Mins ;0-199 Mins(Brine)
Regen. Cycles	1050D -- DF Softener: BW,Brine+SlowRinse,Rinse,Fill(STBY)
	1050U -- UF Softener: Brine+SlowRinse,BW,Rinse,Fill(STBY)
	1051 -- Filter:BW,Rinse(STBY)
Dimension With Adapter	63 x 31 x 33 cm LXWXH
Net Weight	7.8 Kg

Flow Rates(Valve only)	
Continuous flow (15 psi Drop)	15.9 M <sup>3</sup> /H (70gpm)
Peak flow (25 psi Drop)	20.4 M <sup>3</sup> /H (90gpm)
Max Backwash flow (25 psi Drop)	15.9 M <sup>3</sup> /H (70gpm)
Service Cv	18
Typical Application	
Softener	21" - 30" Tank
Filter	18" -24" Tank
Electrical Rating	
Input	100V - 240V AC 50/60Hz 1.5A
Output	24V DC 2.0A
Operation Ratings	
Working Pressure	0.21 - 0.87MPa (30~125psi)
Temperature	1 - 42°C
Certification	
NSF	Pending

# BNT105

## 1.5英寸自动多路控制阀



### 特点:

- 采用塑料阀体和活塞，耐用，防腐蚀，成本低。
- 经典的活塞和鼠笼格栅结构设计，运行稳定、故障少。
- 适用于大水量的商用领域过滤和软化系统。
- 控制阀活塞自带备用位置，并有再生非硬水旁通任选功能。
- 最多可达9个活塞位置可用。
- 可逆流和顺流再生以及过滤控制阀配置任选。
- 除了单罐和多罐MTS应用，还增加了多罐连锁再生系统的互锁选项，避免投入浪费。
- 控制阀运行历史项的信息更多，更全。
- 单罐再生多达五种启动选项：时间、周定时、流量即时、流量延时和混合再生方式。
- 电路板上两路辅助输出和一路远动信号输入。
- 实时动态预留水量比对，预约再生采用实际剩余容量比例进行注水吸盐，更加省盐省水。
- 可选用出水接头内置流量计，也可配套使用其他通用流量计。

控制阀规格参数	
阀体材料	Noryl
进、出水接头	1.5"/2.0" BSP和NPT螺纹接头
罐体螺纹接口	4"-8UN
中心管	OD 1.9" & 50mm
排污接头	1.5"/2.0" BSP和NPT螺纹接头
吸盐接头	1/2" 快插弯头
流量计	1.5"/2.0" 任选
计量范围和精度	0-999999.9 M <sup>3</sup> ± 5%
控制阀应用	单罐或多罐互锁、多罐MTS系统
控制阀类型	顺流软化，逆流软化，过滤阀
再生步骤可调	0-99分钟;0-199分钟(吸盐)
再生步骤	1050D型控制阀 -- 顺流再生: 反洗、吸盐+慢冲洗、正洗、注水(备用) 1050U型控制阀 -- 逆流再生: 吸盐+慢冲洗、反洗、正洗、注水(备用) 1051型控制阀 -- 过滤: 反洗、正洗、(备用)
外形尺寸(带接头)	63 x 31 x 33 cm 长X宽X高
控制阀净重:	7.8 Kg

流量(仅测试控制阀)	
连续流量(15 psi 压降)	15.9 M <sup>3</sup> /H
峰值流量(25 psi 压降)	20.4 M <sup>3</sup> /H
最大反冲洗流量(25 psi压降)	15.9 M <sup>3</sup> /H
运行Cv 值	18
系统典型应用	
软水器应用	21" - 30" 直径
过滤器应用	18" - 24" 直径
电源变压器规格	
输入	100V - 240V AC 50/60Hz 1.5A
输出	24V DC 2.0A
工作条件	
工作水压	0.21 - 0.87 MPa
工作温度	1 - 42°C
认证	
NSF61	申请中