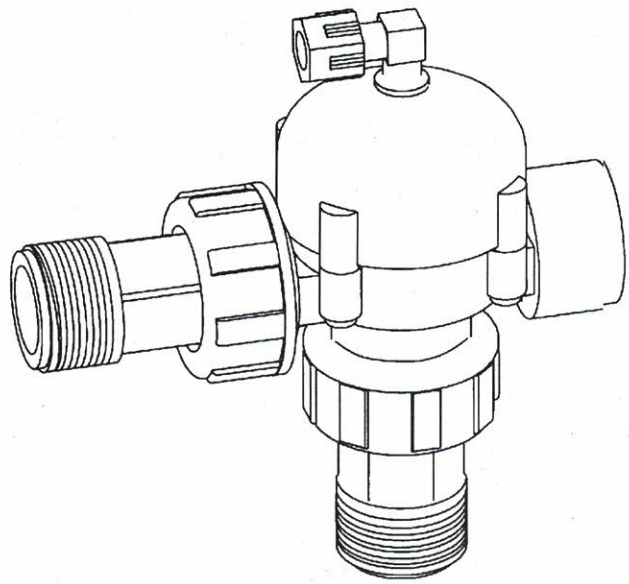
amiad WATER SYSTEMS

3/4" N.C. "NORMALLY CLOSED"
HYDRAULIC VALVE (300004-000003)

Wide variety of applications: For chemical liquid fertilizer and water flow control.

Fully chemical resistant: Plastic components and viton seals guarantee corrosion-free operation with all liquid chemicals and water.

Water or air operated pilot system: The pilot system is completely separated from the valve itself thereby allowing the flow of expensive liquids to be controlled by pressurized water.



No need for outside source of energy: Operates from water mains supply.

Valve closes with pilot pressure: The "normally closed" feature ensures that if the pilot water pressure drops due to main pump shut-down or control system malfunction or pilot tube damage the valve will close automatically.

Operates in high pressure systems: Maximum working pressure up to 10 bars (140 psi).

Choice of flow directions: The valve can be installed with 1 inlet and 1 or 2 outlets or with 2 inlets and 1 outlet.

Easy to install: Simple installation by means of the Amiad union connector (Raccord). Unlimited number of valves can be screwed together forming a valve manifold.

Wide range of uses:

Control opening and closing of spraying and fertilizing systems.

Allocate liquid chemicals to spraying and spraying according to a pre-set command.

Allocate several liquids from different sources simultaneously to one or more outlets.

amiad®
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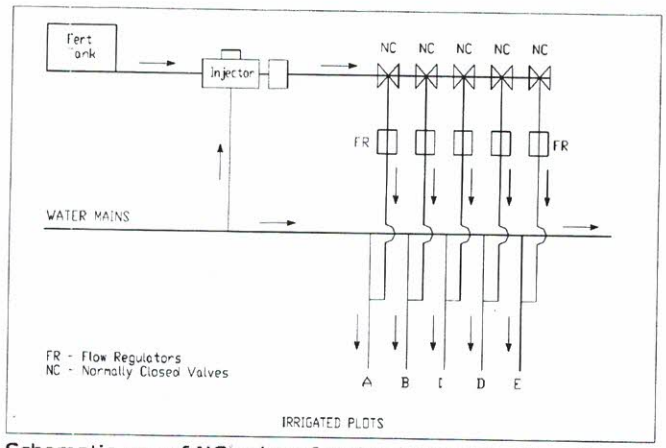
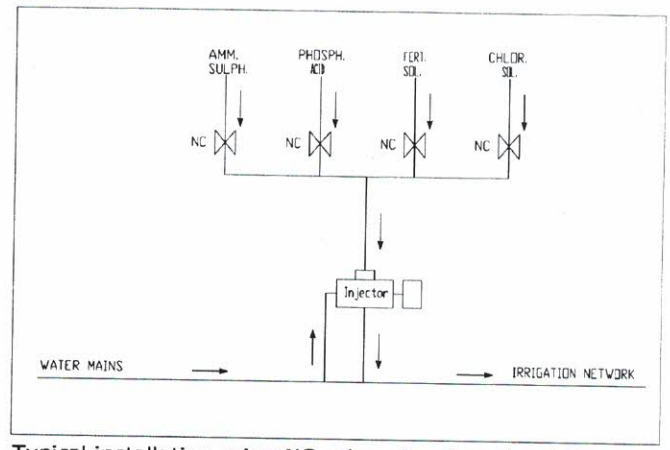
PRESSURE TABLE			
WORKING PRESSURE		PILOT PRESSURE	
m.	psi	m.	psi
10	14	4.5	6
40	57	9.0	13
80	114	14.0	20

PRESSURE LOSS TABLE				
FLOW RATE			PRESSURE LOSS	
l/m	Us gpm	Imp.gpm	m.	psi
10	2.6	2.2	0.4	0.6
20	5.3	4.4	1.2	1.7
30	7.9	6.6	3.0	4.2



Schematic use of NC valves for simultaneously allocating fertilizer or chemicals at different rates to different plots.



Typical installation using NC valves for allocating different Chemicals and fertilizers to irrigation systems.

KEY:
1. Drive water hand valve
2. Drive water filter
3. Chemical supply filter
4. NC Hydraulic valve
5. Anti-siphon valve
6. Air release valve
7. Injection line hand valve
8. Water exhaust
9. Non return valve (recommended)
10. End connector