



# ROBUST-AIRE DIFFUSED AERATION 50 HZ POST MOUNT SYSTEM

## OVERVIEW

- System includes rocking piston compressor(s), cabinet, diffuser(s)
- Weighted air tubing sold separately.
- Designed for 24-hour operation with minimal maintenance
- Inlet air filter visual maintenance indicator
- Patent-pending noise-cancelling design to dramatically reduce compressor sound

## COMPRESSOR

- Continuous-duty rated
- Ramped reed valve
- Heat-resistant tubing
- Paper air filter element
- CE Certified

### Teich-Aire KM-60C

- 1/4HP oilless piston compressor
- 230V, single phase
- 2.75 bar (40 psi) pressure relief valve
- Can supply up to 2 diffuser heads

### Teich-Aire KM-120C

- 1/2HP oilless piston compressor
- 230V, single phase
- 2.75 bar (40 psi) pressure relief valve
- Can supply up to 3 diffuser heads

## POST MOUNT

- Accommodates one 1/4 or 1/2HP compressor
- Powder-coated aluminum cabinet
- Internal sound-dampening foam
- Mounting template for 100 x 100 post or wall
- Hinged top and front cover for easy access
- Cooling fan with guard
- 29cm x 29cm x 47cm

## DIFFUSER

- Independently tested to produce the most flow
- Self-weighted stainless steel base designed to land upright every time
- Integrated tubing strain relief & rope tie-offs
- Molded plastic edge guards protect pond lining
- Proprietary linear low-density polyethylene & rubber diffuser hose
- 58.5cm x 39.5cm assembled
- Diffuser hose sits 15cm above bottom of base
- Check valve

## OPTIONAL SURESINK WEIGHTED TUBING

- Available in 10mm (3/8") or 16mm (5/8") ID
- 30.5m rolls or 152m reels
  - 30.5m packages include all fittings

## OPTIONAL REMOTE MANIFOLD

- Includes valve box to house remote manifold
- PVC fittings and valves to position closer to pond edge

Model	Compressor	# of Diffusers	Amperage
RAE1-PM	KM-60HC (1/4HP)	1	1.25
RAE2-PM	KM-120HC (1/2HP)	2	1.75
RAE3-PM	KM-120HC (1/2HP)	3	1.75

## WARRANTY

- Cabinet: Lifetime
- Diffusers: Lifetime
- SureSink Tubing: 15 years
- Compressor
  - Motor: 3 years
  - Pistons: 2 years



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SIZING CHART

SURFACE AREA (M <sup>2</sup> )	AVERAGE DEPTH (M)		
	3-4	4-5	5-6
4,000	RAE1	RAE1	RAE1
6,000	RAE2	RAE2	RAE1
8,000	RAE3	RAE3	RAE2
10,000	RAE3	RAE3	RAE3
12,000	RAE4	RAE4	RAE3
14,000	RAE4	RAE4	RAE4
16,000	RAE5	RAE5	RAE4
18,000	RAE6	RAE5	RAE5
20,000	RAE6	RAE6	RAE5
22,000	RAE6	RAE6	RAE6
24,000	Multiple	Multiple	RAE6
26,000	Multiple	Multiple	RAE6

FLOW RATE CHART

DEPTH OF DIFFUSER (M)	KPA	FLOW (M <sup>3</sup> PER 24 HOURS)
2	19.4	5,053
3	26.9	7,580
4	35.8	11,369
5	44.8	17,054
6	62.7	28,821
7	71.7	37,467
8	80.6	48,708
9	89.6	63,320

