



Akvasmart CCS Feed System

**Akvasmart CCS is the perfect choice for feeding fish.
Designed to fit all feeding regimes from high to low capacity.**

The system can handle more than 40 feed lines running in parallel and more than 1,000 tanks/units, all operated from one PC, iPad or smartphone.

All components are tested through decades to ensure gentle feed handling.

The Akvasmart CCS Feed System is designed to fulfill all feeding requirements, regardless of species or how you want to feed your fish.

On time every time!



The Akvasmart CCS Feed System will feed the correct amount of feed, at the optimal rate, on time and every time. This powerful system provides great opportunities to optimize the entire feeding process. Both the feed system and its components have been tested through decades to ensure gentle feed handling.

SYSTEM OVERVIEW

CSS FEED BLOWERS

The Akvasmart Feed Blower generates transport air for the feed system. The blowers are delivered in high quality silencer cabinets which ensures a comfortable work environment.

CCS FEED DOSERS

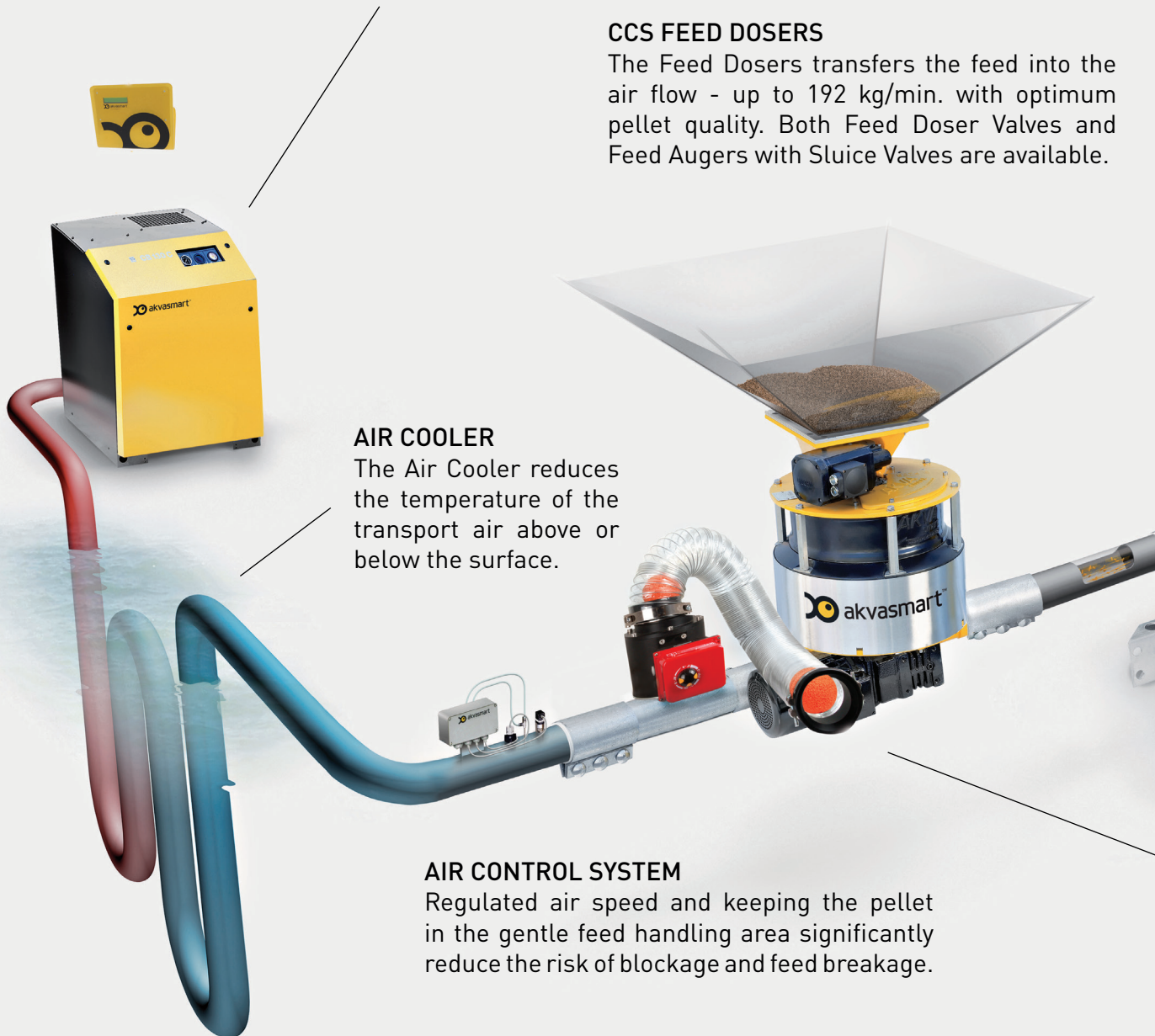
The Feed Dosers transfers the feed into the air flow - up to 192 kg/min. with optimum pellet quality. Both Feed Doser Valves and Feed Augers with Sluice Valves are available.

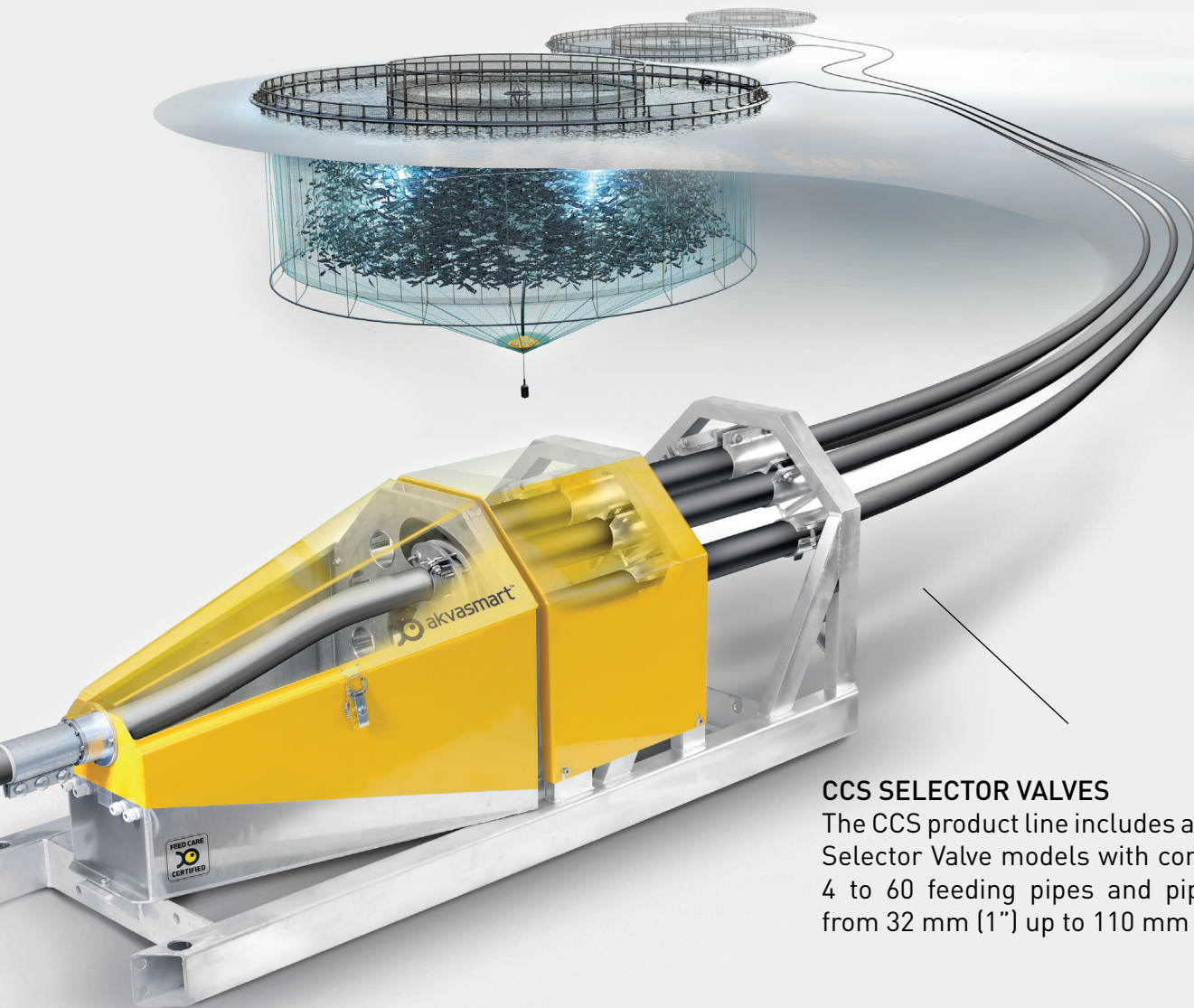
AIR COOLER

The Air Cooler reduces the temperature of the transport air above or below the surface.

AIR CONTROL SYSTEM

Regulated air speed and keeping the pellet in the gentle feed handling area significantly reduce the risk of blockage and feed breakage.





CCS SELECTOR VALVES

The CCS product line includes a wide variety of Selector Valve models with connections from 4 to 60 feeding pipes and pipe dimensions from 32 mm (1") up to 110 mm (4").

CLEANING PLUG INJECTOR

The Cleaning Sponge is inserted into the feed system via the Feed Pipe Cleaner, and will be transported through the system by using pressured air. The sponge attracts feed residues and condense, reducing deposits inside the pipes to a minimum.

Akvsmart CCS Feed System is designed and developed by AKVA group. The system can be installed in both new and existing feed barges, according to client specifications.



SPECIFICATIONS

Akvasmart CCS Feed System					
System	CCS-32	CCS-63	CCS-90	CCS-110	Comments
Feeding pipe size	32 mm (1")	63 mm (2")	90 mm (3")	110 mm (4")	Imperial (N. America)
Wall thickness	2,9 mm (0,11")	4 mm (0,16")	7 mm (0,28")	6,3 mm (0,25")	
Feeding data per feed line					
Pellet sizes */** Max.	5-7	9-12	17-25	25+	Must be evaluated
Pellet sizes */** Min.	No. 2 crumb	1,2	3	3	in each case
Max feeding capacity */**/**	648 kg/hour	2520 kg/hour	5220 kg/hour	5220 kg/hour	w/Vari Doser 1500
	-	-	11520 kg/hour	11520 kg/hour	w/Feed Doser 4000
Max. feeding rate */**/**	10,8 kg/min	42 kg/min	87 kg/min	87 kg/min	w/Vari Doser 1500
	-	-	192 kg/min	192 kg/min	w/Feed Doser 4000
Min. feeding rate */**/**	1,2 kg/min	2,4 kg/min	3 kg/min	3 kg/min	
Min. feed dose (single dose) */**	10 grams	20 grams	40 grams	50 grams	w/Vari Doser 1500
	-	-	200 grams	200 grams	w/Feed Doser 4000
Transport lengths:					
Max. feed pipe length	300 m	600 m	800 m	1400 m	*/**
Max. feeding rate at max. feeding pipe length:	3,6 kg/min	12 kg/min	10 kg/min	30 kg/min	***
Max. feeding rate at half of max. feeding pipe length	5,4 kg/min	21 kg/min	108 kg/min	150 kg/min	***
Max. feeding rate at short feeding pipe length */**:	10,8 kg/min	42 kg/min	87 kg/min	87 kg/min	w/Vari Doser 1500
	-	-	192 kg/min	192 kg/min	w/Feed Doser 4000
Power consumption (max)					
Blower:	7,5 kW	11/15 kW	22/30 kW	37/45 kW	
Feed Selector Valve:	0,18 kW	0,18 kW	0,18 kW	0,18 kW	
Feeder: Feed Doser/Vari Doser:	0,37 kW	0,37 kW	0,75 kW	0,75 kW	Max. load/unit
Feeder: Auger & Sluice Valve:	1,5 kW	1,5 kW	1,5 kW	1,5 kW	

* Depending on transport distance

** Depending on type of feed etc

*** At continous feeding