



Broader. Better. Together.

ASCO. AVENTICS. TESCOM. TopWorx.



2019 Product Solutions Guide



INDUSTRIAL & COMMERCIAL SEGMENT - ASCO™ STRATEGY

	Combustion	Dust Collector	Industrial Machinery	Water Conditioning/ Lead Free
Sub-Markets	 Burners & Boilers for Comfort Heating Paint Curing Ovens, Furnaces, Kilns Reactors & Heat Exchangers Grain Dryers 	 Air Filtration Bulk Material Handling Powder Conveying 	 Conveyors Plastic Molding Equipment Air Compressors and Dryers Fire Suppression Systems Metal Finishing Machinery 	 Reverse Osmosis Water Dispensing Lead-Free Plumbing
Strategy	Win with Differentiated Current Product Offering and Industry Leading Express Portfolio; Penetrate Industrial Heating	Core Protection & Penetrate Key OEMs with Highest Performing Products and Broader FLMC Portfolio	Penetrate OEMs, Leveraging Broad Product Portfolio, Microsegments, and Customer Specials Capabilities	Increase End-User Awareness of Lead-Free Regulations, Educate on Emerson's Broad Offering
Key Products	 8214 (200) Series Solenoid Safety Shutoff Valves V710 + AH Actuator Motorized Safety Shutoff Valves 	 353 Series Remote Piloted Diaphragm Pulse Valve 353 Series Integral Pilot Diaphragm Pulse Valve 	 8210 Series 2-Way Pilot Operated Valves 8262 Series 2-Way Direct Acting Valves 	 212 Series Composite Valves Lead-Free Brass Valves (8210 and 8262 Series)





PROCESS SEGMENT - ASCO™ STRATEGY

	Oil & Gas Refining/Chemical		Food & Beverage Life Science	
Sub-Markets	 Exploration & Production onshore / offshore Pipelines & terminals 	RefineriesPetrochemicalChemical	DairyBeverageGrains and powders	Active Pharmaceutical Ingredient(API)Synthetic DrugsBiopharma
Strategy	Expand Applicability Upstream & Displace Competitive Products	Core Protection & Expand our Solutions Portfolio Usage	Penetrate OEMs and End Users & Upsell	Leverage Emerson, Target End Users & Panel Solutions
ey Products	 Spool valve line Accessories Stainless steel Air preparation units 	 Redundant Valve Assembly ASCO / TopWorx Smart Controller Accessories Solenoids Valves 	 290 Air operated valves Solenoid valves Valve Manifolds and Electronics 	 Pinch Valves 580 Charm Integrated Solutions
Key				





ANALYTICAL & MEDICAL - ASCO™ STRATEGY

	Clinical Diagnostics	Bioinstrumentation	Industrial Analyzers	Ventilators
				69° 99° 107/, 69°
Sub-Markets	ChemistryImmunoassayHematology	 DNA Sequencing PCR (Polymerase Chain Reaction) Sample Preparation 	 MFC (Mass Flow Controllers) Emission / Air Quality Analyzers Water Analyzers 	Infant IncubatorsAnesthesia EquipmentRespirators
Strategy	Precise Media Control to Conserve Costly Reagents & Reduced Footprint for Point-of- Care Instruments	Inert Materials for Aggressive Media, Plug & Play Modular Assemblies	Precise Proportional Control & Local Technical Support and Product Availability	High-Flow Proportional Control with Enhanced Lifetime of System Components
S	 Series 045 2/3-Way Pinch Series 068 Flapper Isolation 	 Series 067 Rocker Isolation Series 055 PTFE Isolation 	 Series 202 12.7mm Preciflow Series P284/P384 POM Pinch 	 Series 202 Preciflow IPC Series RB General Service
Key Products				





MACHINE AUTOMATION - ASCO Numatics™ STRATEGY

	Automotive	Tire Industry	Case Erectors	PET & Glass
				Blowing
Sub-Markets	 Conveying equipment Assembly lines Automotive components 	Press and production lineHandling equipment	Case Form and SealerFilling stationsCase Erectors and Packers	PET & Glass blowing linesCleaning systems
Strategy	Lead with G3 Fieldbus platform to meet machine control needs and IoT trends. Zoned safety as a key differentiator.	Cross sell Pneumatic and Fluid Control (Steam Valves). Focus on safety solutions	Full pneumatic system solution provider with focus on Fieldbus and Safety	Leverage High Pressure Proportional product offerings
Key Products	 502 Zoned Safety Manifold 653 Air Prep Assembly Sentronic Proportional Valves A-Series NFPA Interchangeable Cylinder S-Series Steel NFPA Cylinder M-Series Non-Repairable Roundline Cylinder 			





MACHINE AUTOMATION- AVENTICS STRATEGY

	Automation	Energy	Food & Beverage	Medical/ Analytical
	CONTROLLE			
Sub-Markets	 Packaging Automotive Paint Spray & Welding Tire and Rubber Metals, Wood and Paper 	Oil & Gas Drilling RigsOil & Gas Service Rigs	Meat, Fish, Poultry & DairyBeveragePET	Oxygen ConcentratorsSurgical DevicesAcute Care Devices
Strategy	Lead with Smart Pneumatics (IoT), Up Sell/Cross Sell all Emerson brands	Leverage Emerson to Expand into Midstream & Downstream	Penetrate OEMs and End Users, Washdown & Automation Portfolios	Leverage Leading Oxygen Concentrator Position into other Medical Device OEMs
Key Products	 Smart Pneumatics Monitor & Analyzer AV Valves with AES Electronics Ceram™ Valves & ED02 E/P Valves NFPA Air & Hydraulic Cylinders CAT tool, RTC Rodless, ES05 Vlv 	 "H" ControlAir®, "A" PilotAir®, "D" PilotAir®, and other Pneumatic Valves Radial Motion Actuators Cylinders 	 CL03 CleanLine Valves Stainless Cylinders Stainless Air Preparation Stretching Cylinder Units 	 Micro and Direct Operated Poppet Valves Custom Diaphragm and Sliding Ceramic Plate Valves Fluid Blocks, Pressure Regulators





INDUSTRIAL, COMMERCIAL & PROCESS SEGMENT - TESCOM™ STRATEGY







PROCESS SEGMENT - TopWorx™ STRATEGY

	Oil & Gas	Refining/Chemical	Synergies
Applications	Pipelines and Terminals	• Chemical	Any product for any application that requires position awareness
Strategy	Leverage advanced technology to strengthen our position	Expand presence in Switchbox market with product development	Support other BU's by embedding GO™ Switch Technology
Key Products	• D Series with HART 7	• Chemical Switchbox	 HD33M Monoflange M25 Gauge Valve M66 Manifold





INDUSTRIAL & COMMERCIAL SEGMENT - TopWorx™ STRATEGY



