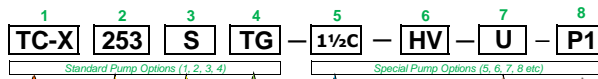


Iwaki Air Pump Model Code Nomenclature

Updated 5.2020

IALT-00360 Rev D

Pump Identification Code >



- 1: Diaphragm Pump Series
- 2: Connection Size & Series
- 3: Body Material (Wetted)
- 4: Diaphragm Materials
- 5: Connection Options
- 6, 7, 8: Other Options

Standard Pump Options (Serial 1, 2, 3, 4)

1: Diaphragm Pump Series	2: Series	3: Body Materials (Wetted)	4: Diaphragm Materials
TC-X: Standard Diaphragm Pump Series TC-X (TT): Standard PTFE Diaphragm Pump Series	030 = 5mm (1/4") 050 = 5mm (1/4") 100 = 10mm (3/8") 101 = 10mm (3/8") 102 = 10mm (3/8") 150 = 15mm (1/2") 151 = 15mm (1/2") 152 = 15mm (1/2") 202 = 20mm (3/4") 252 = 25mm (1") 253 = 25mm (1") 400 = 40mm (1 1/2") 500 = 50mm (2") 800 = 80mm (3")	A: Al (Aluminium ADC-12) S: SUS (Stainless Steel SCS14/316) F: Fe (Cast Iron S45C) P: PPG (Glass Filled PP) PP: PP (Pure Polypropylene) (using PP material designator) PC: PC (Polypropylene + Carbon) (using PC material designator) V: PVDF (Polyvinylidene fluoride "KYNAR") T: PTFE ("TEFLON") D: POM (Polyoxymethylene "ACETAL")	C: NEOPRENE™ (CR) E: NORDEL™ (EPDM) N: BUNA N (NBR) H: HYTREL™ (TPE / TPEE) S: SANTOPRENE® (TPO) V: VITON® (FPM / FKM) T: TEFLON® (PTFE) TE: PTFE, TPO (Bonded TPO Back Up) TG: ONE-UP® PTFE, EPDM (Bonded Back Up)

Special Pump Options (5, 6, 7 & 8 ETC)

5. Connection Options (if other than standard)		
FL: Flange DIN (JIS) Type FLA: Flange ANSI Type NPT: NPT Female Thread I: Split Suction Manifold O: Split Discharge Manifold Z: Split Suction & Discharge Manifolds MPI: Multi Ports Side & Centre top (If other than standard) MPI: Vertical Centre Port Inlet MPO: Vertical Centre Port Outlet MPZ: Vertical Centre Port Inlet & Outlet IMR: Inlet Manifold Reversed Direction OMR: Outlet Manifold Reversed Direction	1/2C: 1/2" Centre ports (for D100 & D101 (1/2") Pumps) 3/4C: 3/4" Ports (for D253 (1") Metallic Pumps.) 1 1/4C: 1 1/4" Centre Ports (for D253 (1") Metallic Pumps.) 1 1/2C: 1 1/2" Centre Ports (for D253 (1") & D500 (2") Metallic Pumps.) SP20: Special 3/4" Ports & Low Height Adapter kit (for D253 metallic Pumps) SP25: Special 1" Height Adapter Kit (for D253 Metallic Pumps) SP32: Special Pump with 1 1/2" Inlet & 1 1/4" Vertical Outlet. (for D253 Metallic Pumps.) SP40: Special 1 1/2" Ports & Low Height Adapter Kit for D500 (2") metallic Pumps. SP50: Special 2" Pump with Height adapter Kit.	SCF: Sanitary Clamp Fittings (For SUS Pumps) CAM: Camlock Adapters FA1: Flange Adapters to Thread (Female) FA2: Thread (Male) Adapters to Flange FA3: Thread (Male) Adapters to Thread (Female) FA4: NPT Thread (Male) Adapters to Rc Thread (Female) FA5: Rc Thread Adapters (Male) to NPT Thread (Female)

Other Options & Special Pump Variations

Valve, Guide, Seat, Diaphragm Options	Other Add On's & Factory Fitted Accessories	Special Pump Variations
BV: Ball Valve (if other than standard) FV: Flat Valve (if other than standard) C: NEOPRENE™ (CR) BALLS N: BUNA N (NBR) BALLS E: NORDEL™ (EPDM) BALLS S: SANTOPRENE® (TPO) BALLS V1: VITON® (FPM / FKM) BALLS V2: VITON® (FPM / FKM) SEATS T1: TEFLON® (PTFE) BALLS T2: TEFLON® (PTFE) SEATS T3: TEFLON® (PTFE) BALL GUIDES T4: TEFLON® (PTFE) BALLS & SEATS T5: TEFLON® (PTFE) SEATS & GUIDES T6: TEFLON® (PTFE) BALLS GUIDES & SEATS T7: TEFLON® (PTFE) HIGH PERFORMANCE BALL GUIDES & SEAT (40 50 80 series) T8: TEFLON® (PTFE) O-Rings wet side kit S1: 316 SS BALLS S2: 316 SS SEATS S3: 316 SS BALL GUIDES S4: 316 SS BALLS & SEATS S5: 316 SS SEATS & GUIDES S6: 316 SS BALLS, GUIDES & SEATS S7: 316 SS PARABOLIC GUIDES (40 50 80 series) S8: 316 SS BALL Stopper (for D253 Series- Metallic pumps fitted with SUS Balls) S9: High Performance Ball Guide & Seat Kit (for: D253 Metallic pumps) HV: High Vacuum Ball Guides (For D253(A,S,F) Fixed Pump)	AP: Abrasion Pads U: High Performance Muffler J: Speed Control Muffler EXH: External Silencer/Exhaust (For Internal Exhaust pumps) DC: Destroke Kit. (Long Pilot Valves & Cushions (2)) P1: Proximity Sensor E Pump Type (12V Dc) P1X: Proximity Sensor E Pump Type ATEX (8V Dc) P2: Proximity Sensor Spool Stroke Type (12V Dc) P2X: Prox Sensor Spool Stroke Type ATEX (8V Dc) Q1: Leak Sensor Conductive type (2 x Internally Fitted) Q2: Leak Sensor Optical type (2 x Internally Fitted) SC1: Stroke Counter (Pneumatic to Mechanical) K1: 316 SUS Pilot Valve Seats K2: 316 SUS Internal Bolts for Air Chambers K3: 316 SUS External Bolts & Nuts for Body K4: Hardened SUS Centre Rod K5: SUS Centre Discs, (Air Side) For Rubber Fitted metallic Pump K6: SUS Centre Discs (Liquid side) For Rubber Fitted Metallic Pump C1: PFA Plastic Coated Bolts / Tie Rods & Nuts BC: Bolt Caps (PP Caps to protect external bolts) BM: Bolt Modification (Liquid Chamber 40 50 80 series) TB: Titanium Bolts / Tie Rods, Nuts & washers BX: High Performance Throat Bearings SX2: High Performance Air Valve (40 50 80 Pumps) LX: High Performance Sleeve (D100 D101 D150) H2: High Temperature, Air Side Seal Kit (Replaces NBR with Viton seals)	FR1: Filter Regulator D03, 05, 10, 15, 20 FR3: Filter Regulator D25 FR4: Filter Regulator D40 FR5: Filter Regulator D50, 80 FRL1: Filter Reg., Lubricator D03 to 20 FRL3: Filter Regulator Lubricator D25 FRL4: Filter Regulator Lubricator D40 FRL5: Filter Regulator Lubricator D50, 80 DRN: Drains Top and Bottom Manifolds CH: Carry Handles LIF: Liquid Inlet Filter SH: Suction Hose & Syphon Pipe (Fitted) DHG: Discharge Hose and Gun SLD: Pump Mounted on Sled PRC: Protective Roll Cage (40 50 80 series) TRO: Pump Mounted on Trolley HWJ: Hot Water Jacket AMJ: Air Motor Jacket PBX: Powder Box (Vacuum Breaker Box) RF-100: Rubber Feet Kit (For D100 Pumps) RF-152: Rubber Feet Kit (For D152 Pumps) RF-253: Rubber Feet Kit (For D253 Pumps) BNG: Bung Adapter for Drums (SUS) 4 sizes available for 050, 101, 152 & 253 Pumps PPD: Passive Pulsation Dampeners SLC: SPILLSTOP® Leak Containment System ER: ECO RING, Reduced air consumption. (for D252 & D253 series pumps only)
		HP: High Pressure Pump 2:1 D: Drum Pump (With Suction Pipe & Bung Adapter) PDR1: Powder Pump (1) Vacuum Breaker PDR2: Powder Pump (2) Vacuum Breaker & 4 point air injection, timer control and nitrogen inlet. PDR3: Powder Pump (3) Vacuum Breaker, 4 point air injection, timer control and nitrogen inlet. E: Electric Pump (With Proximity Sensors Fitted) EX: Electric Solenoid Pump EX (Explosion Proof Version) RM: Remote Mounted Solenoid (Pump On Off Function) RMX: Remote Mounted Solenoid EX (Pump On Off Function) WP: Wine Pump Kit (for wineries breweries etc) FDA: FDA Compliant Pump H: Special High Temperature Pump (For Liquids up to 150° Celsius) ABP: Air Motor Bypass System (Very slow liquid flow) includes fittings, air hoses, and throttle. ABP2: Air Motor Bypass System (Very slow liquid flow) includes fittings, air hoses, throttle, air regulator and bracket.
		Special Material & Surface Treatment Options XS1: PTFE Coated Air Motor (Aluminium Air motor models) XS2: PTFE Coated Pump (Metallic pump models) EP20: 20RA Electro Polished Finish (SUS Pumps) PC: Polypropylene + Carbon (Conductive PP) PP: PP (Pure Polypropylene)

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Notes: Options, Variations, Add On's and Accessories may not be available for all models sizes or materials. Iwaki Air stocks a full range of Pumps Parts and Accessories (Standard Stocked Items). Other models are classified as Order-only and stock may not be available. For information about the Line Up, Prices, Availability and Delivery please contact Iwaki Air or your Pump Distributor directly.

Pumps and accessories listed in this document are available in various sizes and materials. For each application please take extreme care with pump choice and always consider such factors as chemical compatibility of the pump body and internal wetted materials, solids size, abrasion resistance, temperature of the liquid, temperature of the surrounding atmosphere, airline or liquid line pressure etc. For more information on choosing the correct pump, please consult with your distributor or contact YTS directly.

Iwaki Air
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