



Belvac Production Machinery Technical Bulletin

Information for Customers Operating & Maintaining Belvac Machines

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Compressed Airline to Fitting Integrity

Within the past year, sporadic occurrences of 0.50" diameter compressed airlines coming loose from their push-in fittings have been reported on Necker modules within a week of field installation. These airlines feed the knockout ram assemblies as well as supply to the face seal manifolds (FSM's).

Belvac product incorporates industry standard components available worldwide. Our supplier selection for these components has not changed: unfortunately and surprisingly this issue has arose. Several months of investigation with our tubing and fitting suppliers proved inconclusive: each indicating their product and manufacturing processes had not changed for many years.

A few fitting suppliers offered a guarantee that their product would perform successfully if exclusively used with their tubing: they have documented testing supporting the integrity of their push-in fittings with their own tubing. Based on their warranty and reputation, Belvac decided to take advantage of exclusivity in this regard.

SMC is a worldwide supplier of pneumatic fittings, tubing and automated controls: they were one of the suppliers to guarantee their product. To ensure our customer base we had an effective solution, we validated this by outfitting four 211/202 Necking System with a full complement of 0.50" diameter SMC components on each Necker module. After 2-months of 2012 summer production, the plants and Belvac Service personnel reported no problems.

The logistics of changing to an exclusive supplier will be generally transparent to our customer base. The three parts in question will retain their existing part numbers, only the description will be revised (see below).

Existing Part No.	Original Description	NEW Description
C32125	<i>FTG STR.50TUBE X .38NPT MALE</i>	FITTING STRAIGHT .50TU X .38NPTM, SMC
C32123	<i>ELL 90D. .50TUBE X .38NPT MALE</i>	ELBOW .50TU X .38NPTM, SMC
C22534	<i>TUBING, URETHANE .50 OD 95A</i>	TUBING, SMC .50 OD, POLYURETHANE, 95A



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For visual identification, SMC tubing has their name on the physical tubing, the following will be helpful regarding the fittings:



The above will be effective on new machinery shipping November 2012. Spare part shipments on these parts will likewise begin November 2012.